



LTS GROUP

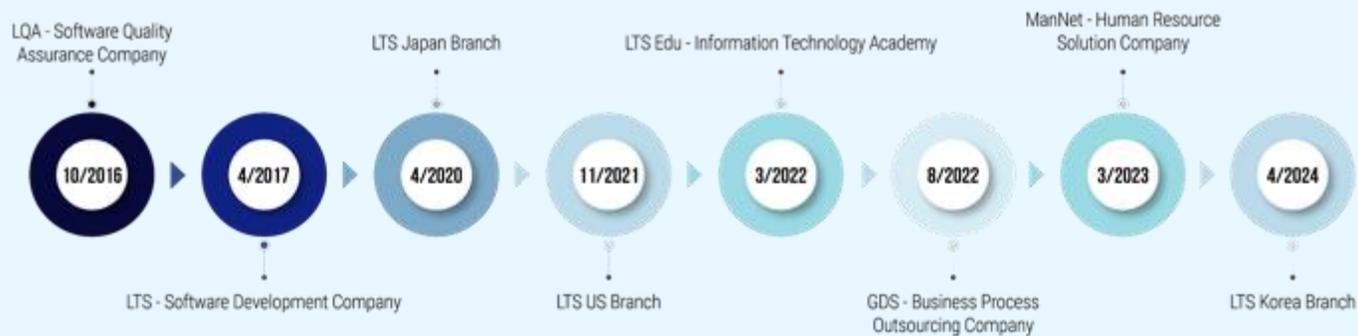
AI Services



Outline

1. About Us
2. Why AI Services?
3. Our AI Services
4. Why Choose LTS group?
5. Our Success Stories
6. Get In Touch With Us
7. Appendix

About Us



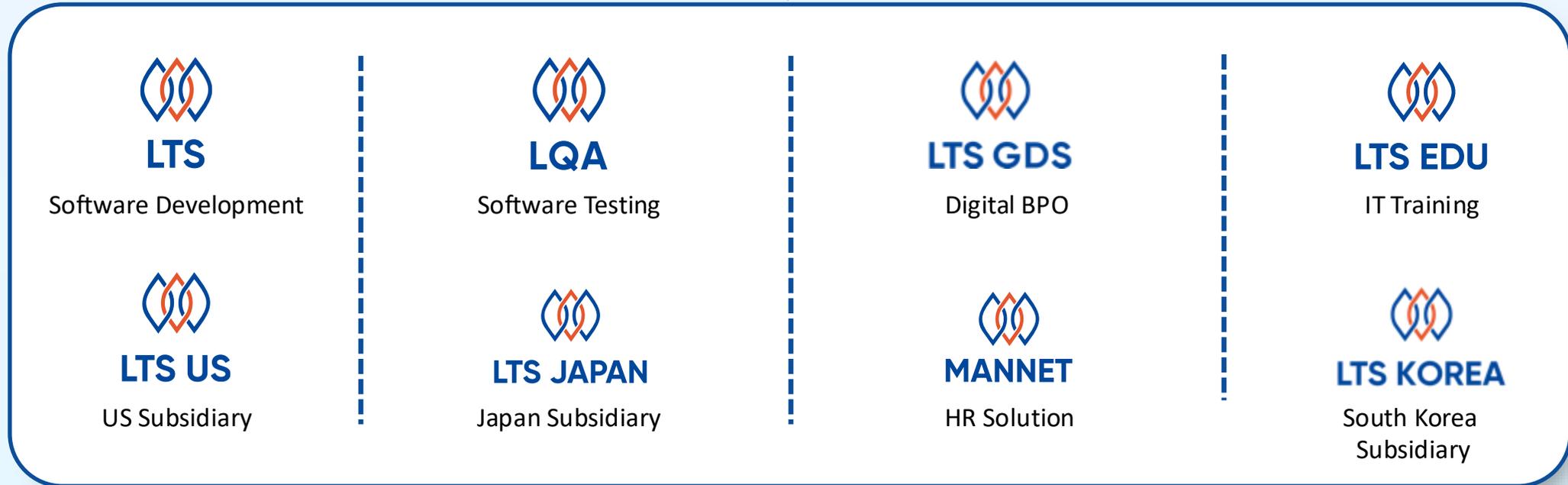
Established in 2016, LTS Group is a fast-growing IT outsourcing services provider in Vietnam. Formerly a leading Quality Assurance company in Vietnam (LQA), LTS Group has expanded our service lines and leveraged our core advantage in quality assurance and industry insights. Currently, we have subsidiaries in Japan & the United States and a diverse ecosystem of end-to-end technology services and human resource solutions (HR Solutions), including:

- Software Development
- Software Testing
- Digital BPO
- HR Solution

During the years of operation, LTS Group has developed our experience towards industry specialization with the aim of best supporting the growth of our clients. Thanks to the relentless efforts of our passionate and talented team throughout the years, we have earned trust from clients in the most demanding markets of the USA, Japan, Korea and more.



Entity Ecosystem





Clients & Partners Portfolio Across 4 Continents

Why Adopt AI-powered Solution?



Enhanced efficiency and productivity

AI automates routine tasks, enabling faster operations and allowing employees to focus on more strategic activities.



Data-driven decision making

AI analyzes vast amounts of data quickly, providing actionable insights that help businesses make informed decisions.



Innovation and competitive advantage

AI drives innovation, supporting businesses develop new products and services, thus maintaining a competitive edge.



Personalized customer experiences

AI tailors interactions by predicting customer preferences, leading to improved satisfaction and loyalty.



Improved quality control

AI enhances quality assurance by detecting defects in real-time, ensuring consistent product and service quality.

Data Collection & Preparation Service

Data Processing Service



- AI Data Annotation
- Data Collection
- Data Entry
- Data Moderation
- Data Conversion
- Document Digitalization

Robotic Process Automation (RPA)



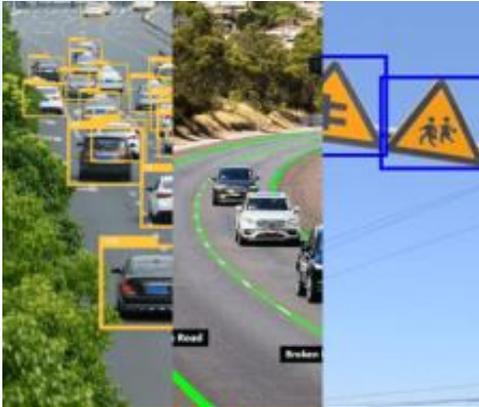
- Web/App Automation
- AI-OCR Integration
- Cloud System
- Integration
- Data Analytics & Reporting
- Compliance & Audit

Business Support Service



- IT Support
- Customer Service Support
- Data Analysis Service
- Staff Augmentation
- BOT Service

Data Collection & Preparation Service - Industries We Serve



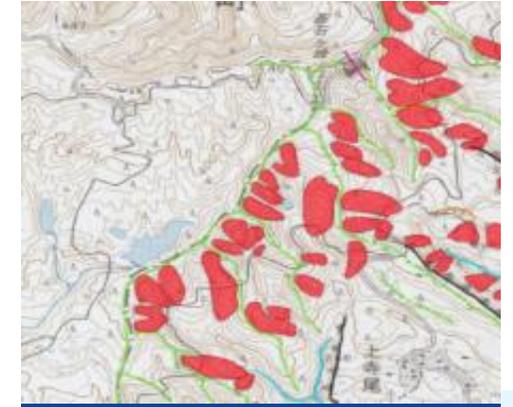
ADAS & Transportation



Industrial Automation



Retail & E-commerce



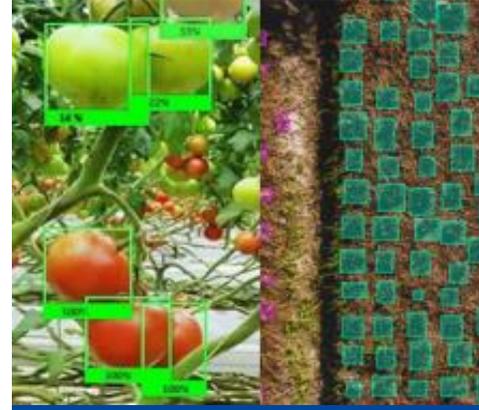
Mapping & Geospatial



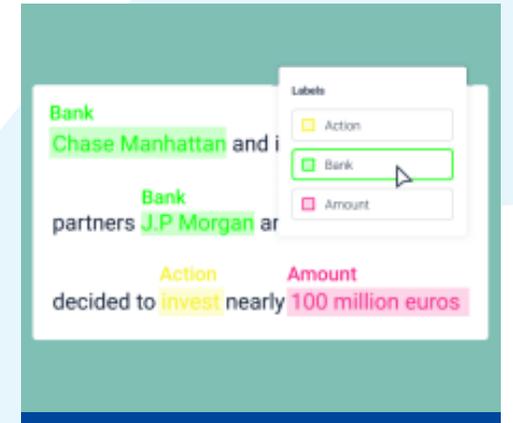
Security Monitoring



Sports



Agriculture



Finance & Banking

Our Main Services



Machine Learning
- ML



Computer Vision



Natural Language
Processing - NLP



Speech



Generative AI



AI-driven
Business Intelligence

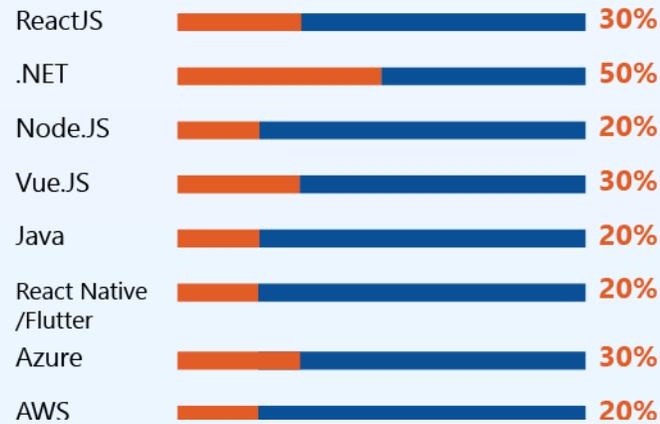


Data Collection &
Preparation



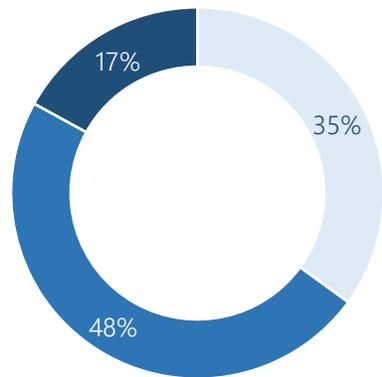
Data Science

Our Human Resources



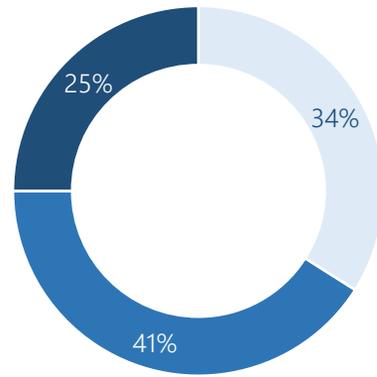
All AI/Data Engineers/Developers are experienced in Python.

Development Skills



■ Data & Analytics ■ AI Engineering ■ Cloud & System Infra

Seniority



■ Junior ■ Middle ■ Senior

Language Ability

We obtain high level of language proficiency for effective communication with our clients.

87%

English

26%

Japanese

5%

Korean

A number of Employees are trilingual

Professional Certificate

Our staff can meet the international standards of both management and technical skills.

52%



10%



5%

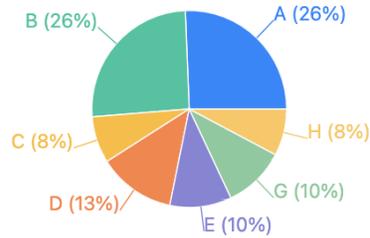


36%



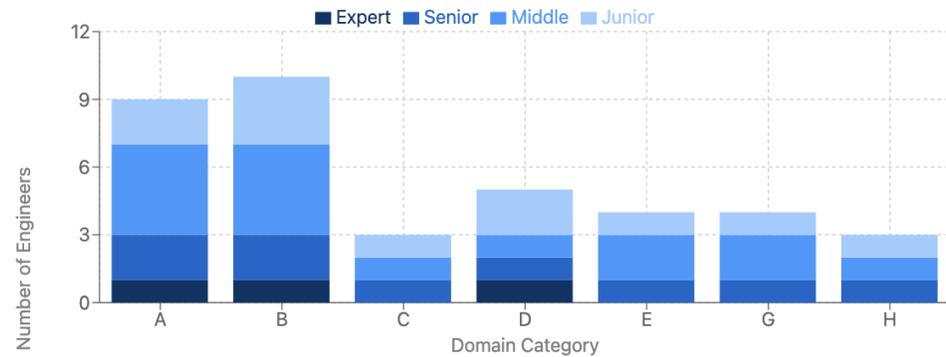
Our Human Resources

Domain Specialization Distribution



All AI/Data Engineers/Developers are experienced in Python.

Team Distribution by Domain & Seniority



A: Natural Language Processing (10)
 Generative AI & LLMs, finetuning, quantization, agentic & reasoning
 3 Jr 4 Mid 2 Sr 1 Ex

B: Computer Vision (10)
 Traditional, finetuning, diffusion & generative CV
 3 Jr 4 Mid 2 Sr 1 Ex

C: Speech & Audio Processing (3)
 Speech recognition, audio processing, voice synthesis
 1 Jr 1 Mid 1 Sr 0 Ex

D: Time Series Analysis (5)
 Streaming, real-time & anomaly detection
 2 Jr 1 Mid 1 Sr 1 Ex

E: Recommender Systems (4)
 Collaborative, content & large-scale systems
 1 Jr 2 Mid 1 Sr 0 Ex

G: MLOps & Deployment (4)
 CI/CD, Docker/K8s, MLflow, Cloud Services
 1 Jr 2 Mid 1 Sr 0 Ex

H: Edge & Embedded AI (3)
 TensorRT, ONNX Runtime, hardware acceleration
 1 Jr 1 Mid 1 Sr 0 Ex



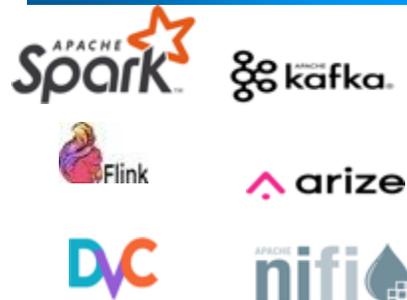
Technology – AI & ML

Innovation fuels us. We constantly update new tools & technology, conduct intensive training programs and always seek for new approaches.

Framework/Libraries



Data Management



Database



Graph Database



Time-Series Database



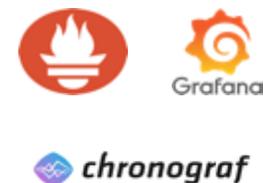
Cloud Infrastructure



Configuration & Deployment



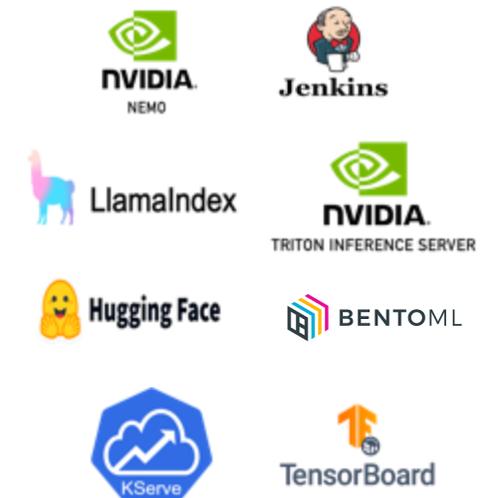
Monitoring



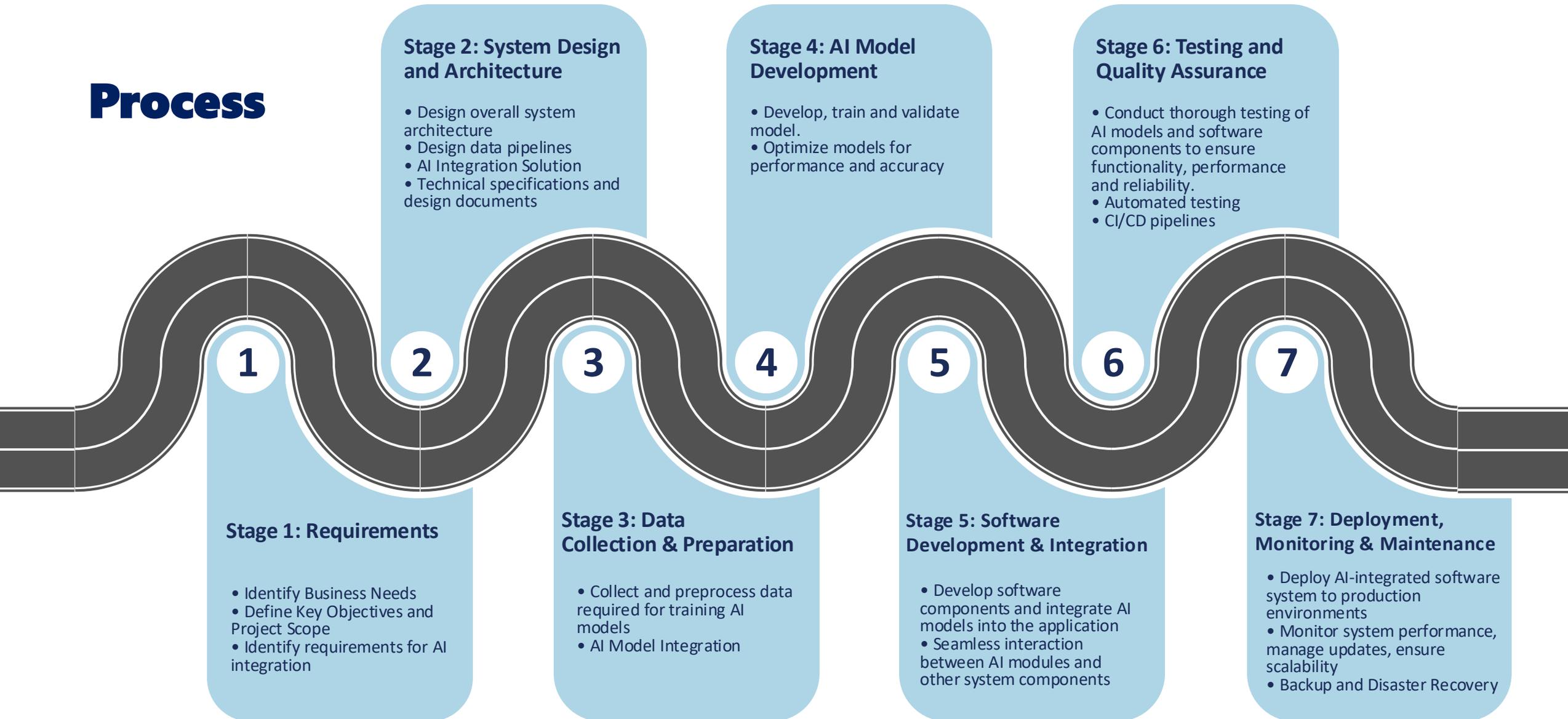
ML-Ops



Others



Process





Our Domains & Featured Portfolio



eCommerce

- AI chatbots & virtual assistant
- Advanced visual search and personalized product recommendation
- Inventory management with predictive analytics



Education

- Personalized educational content
- Speech AI technology for language learning and translation
- AI-powered virtual assistants for vocabulary practice, interactive conversations, and instant feedback



Finance

- AI chatbots for simplifying banking tasks
- Advanced AI-driven business intelligence solutions
- ETL pipelines.



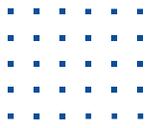
Manufacturing

- Machine learning algorithms for proactive maintenance.
- Computer vision solutions



Healthcare

- AI chatbots
- Computer vision technology for precise medical image analysis



Why Choose LTS Group?



Cutting-Edge Innovation

We consistently adopt and integrate the latest, state-of-the-art AI technologies to develop game-changing solutions.



Superior Technical Expertise

Our team of AI specialists possesses extensive knowledge and experience in integrating a wide range of advanced AI technologies.



Comprehensive and Dedicated Support

We provide comprehensive support, from initial strategy and development to implementation and ongoing maintenance.



Dedication to Responsible AI

LTS Group is committed to providing AI solutions that uphold the highest standards of ethics, transparency, and regulatory compliance.



Industry Specialization

During the years of operation, we've honed our experience across various industries, from eCommerce, education, and finance to manufacturing, healthcare and so on.



Cost-effectiveness

We capitalize on the cost advantages of the Vietnam outsourcing market to offer you high-quality solutions at optimal prices.

Our Work Process

Strategy & Planning

- Analyze requirements
- Define goals
- Create customized Roadmap

Tailored Recruitment & Onboarding

- Devise sourcing strategies
- Assess candidate's technical expertise & experience
- Evaluate candidate's cultural fit
- Provide training sessions

IT Infrastructure & Operation

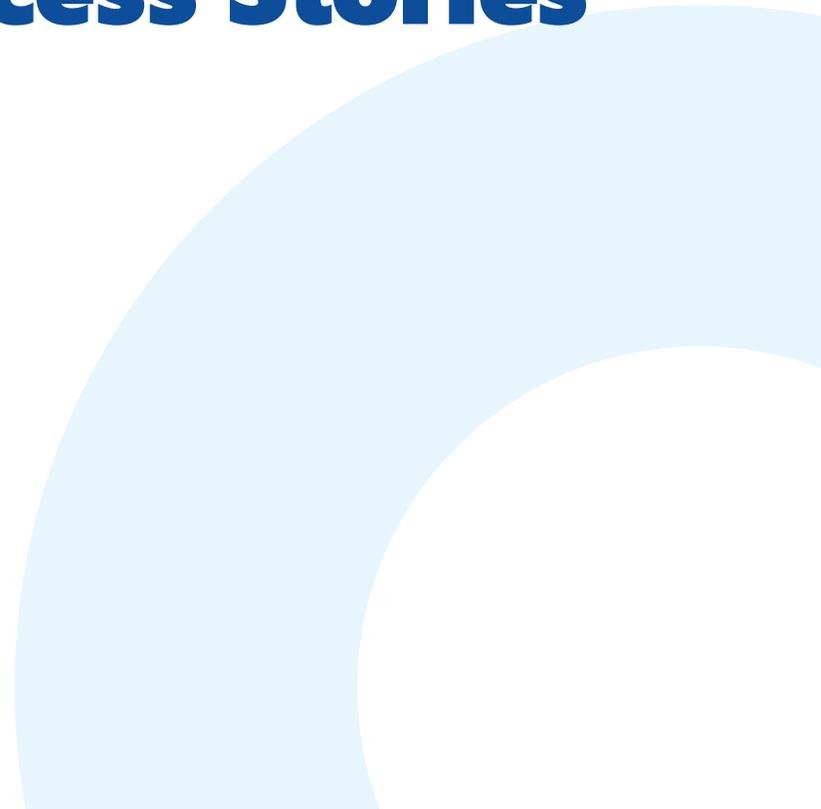
- Design, implement and manage secure IT infrastructure
- Set up communication channels
- Establish progress tracking methods & metrics
- Formulate risk mitigation strategies
- Transfer knowledge and fortify team's capability

Ongoing Support & Management

- Monitor and optimize team's performance with regular review
- Map out strategic plan for team scaling



Our Success Stories



Teaching Assistant and Students' Evaluation in Edu Insight

Overview

LTS group's Edu Insight system applies AI in supporting students and evaluating students' progress in the courses. The LTS program developed AI-powered system using Gen-AI and Machine Learning, currently being used by all the students in the Edu academy.

- Country: Vietnam
- Domain: Education
- AI expertise: Gen-AI, Machine Learning, NLP, Predictive Analytics
- Development process: Scrum



Language

Python 3

ML Model

GPT 4 turbo

Multi-output regression model

Framework

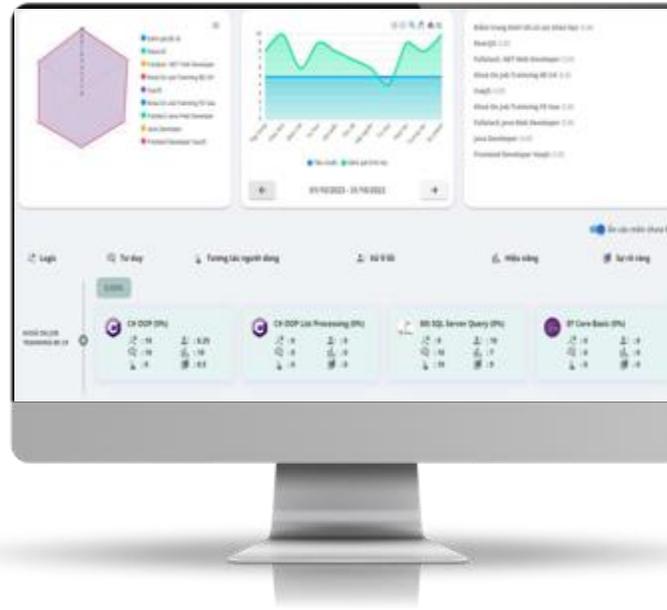
VueJS

Database

SQL Server

Cloud

Azure



Scope of work

- AI Integration
- Gen-AI
- Machine Learning Model Development & Integration

AI Solution

- **Teaching Assistant:** Assists students by providing feedback on completed work and automatically grading assignments. Development involved teaching experts who evaluated the quality of the AI-generated feedback.
- **Student Evaluation:** Utilize 25 criteria proposed by education experts in the field of programming to evaluate students based on 7 different learning skills

AI Solution and Strategies – Edu Insight

AI-powered Teaching Assistant

- Provides automated feedback on student's completed coding work
- Grades assignments using AI
- Developed with input from teaching experts to ensure quality

GenAI Application

- Creates coding assignments and challenges
- Generates IQ tests
- Conducts automated technical interviews
- Facilitates co-op coding challenges

Student Evaluation System

- Utilizes 25 criteria proposed by education experts
- Evaluates students based on 7 different learning skills
- Implements machine learning models for performance prediction

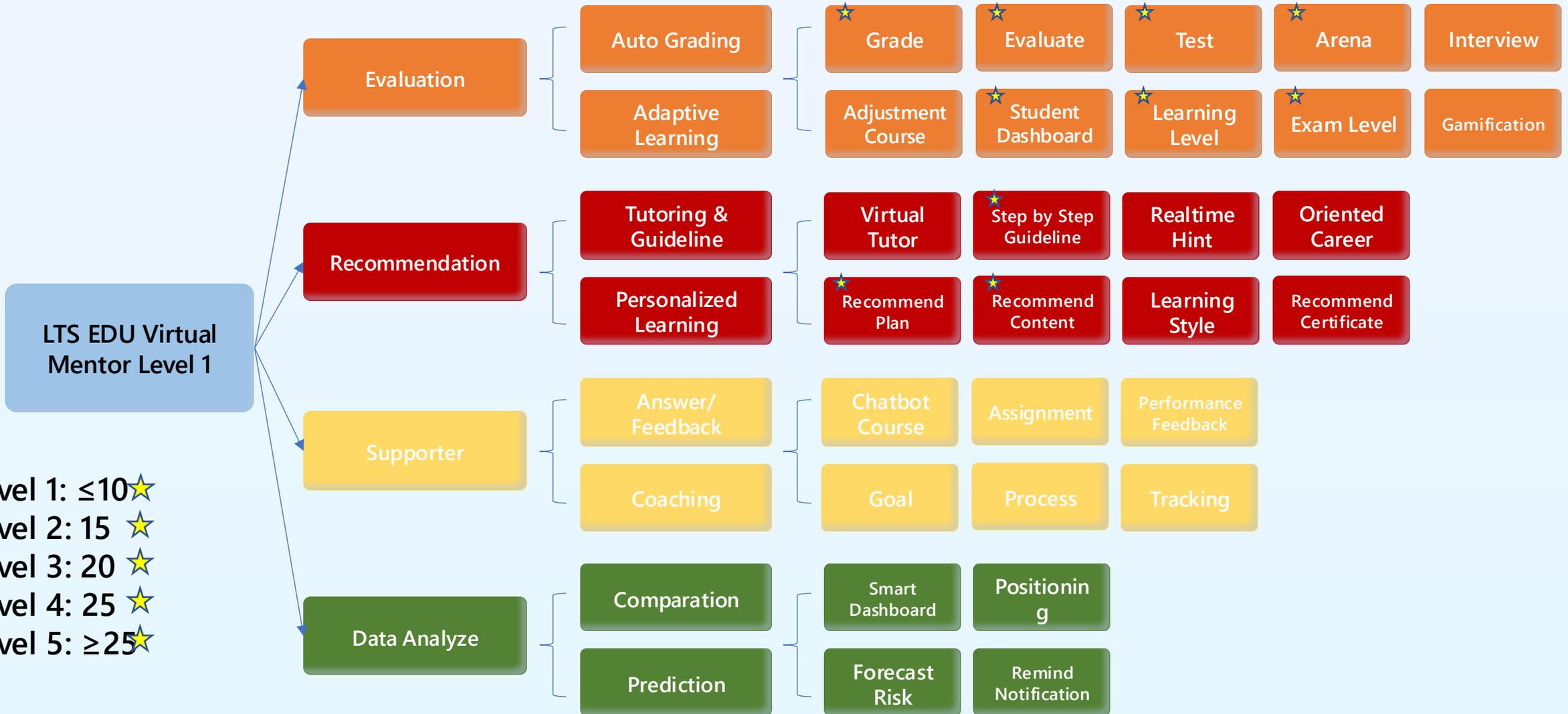
Advanced Analytics

- Analyzes various metrics including video learning time, assignment submissions, and exam scores
- Tracks extracurricular activities and social media interactions

Comprehensive Learning Management System

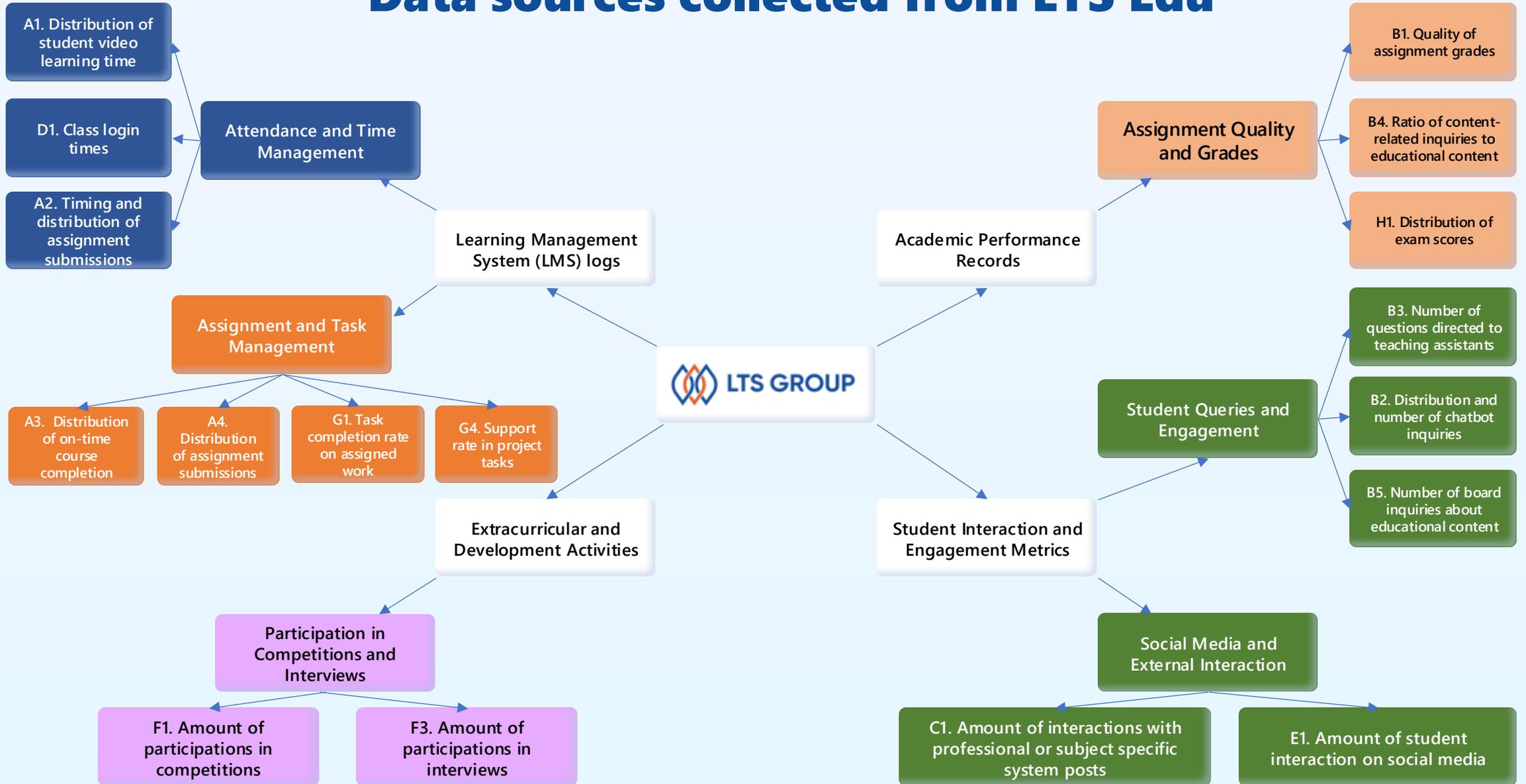
- Tracks attendance and time management
- Manages assignments and tasks
- Records academic performance
- Monitors student engagement and interaction

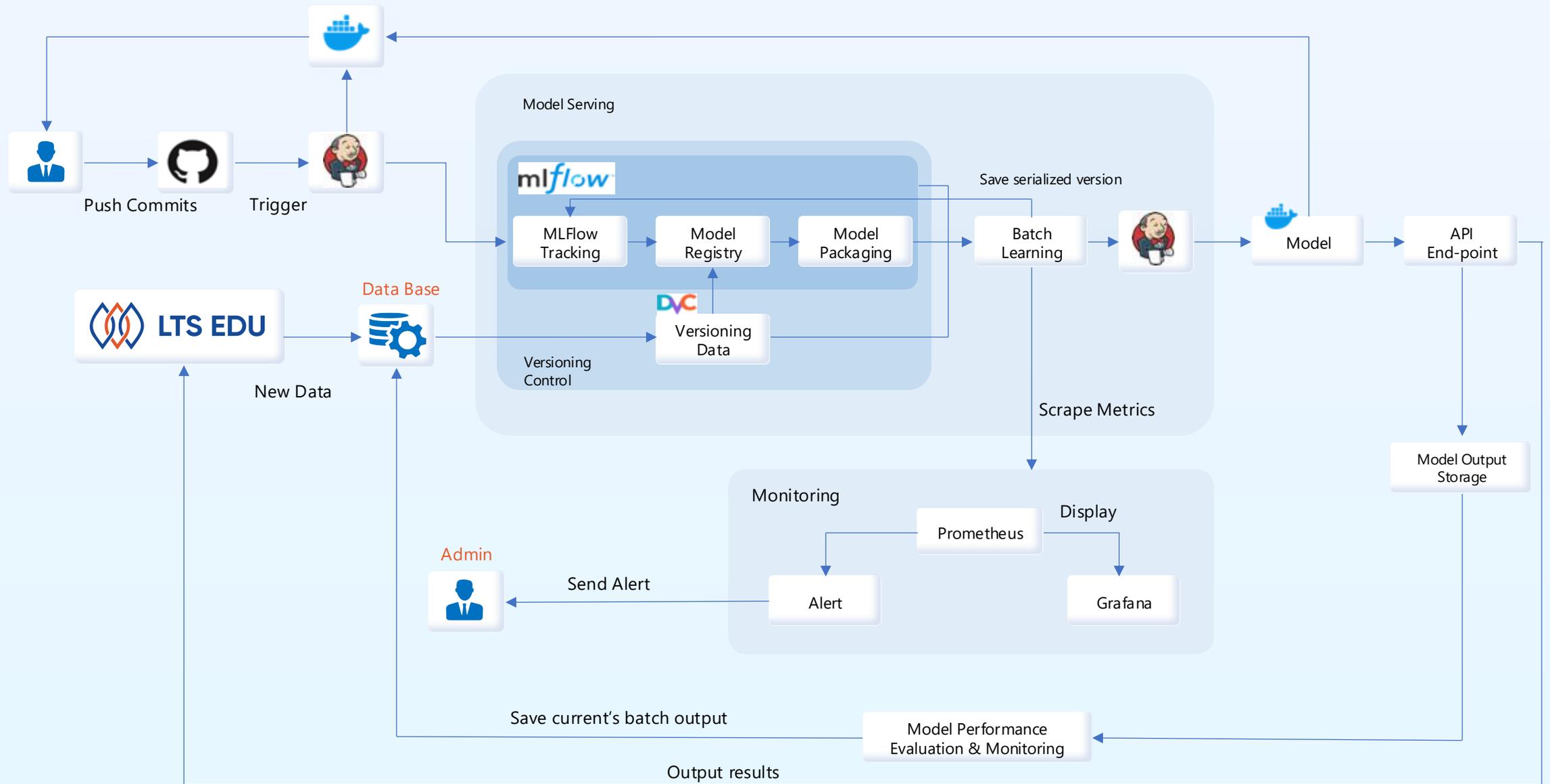
AI Features Roadmap for LTS Edu



- Level 1: ≤10★
- Level 2: 15 ★
- Level 3: 20 ★
- Level 4: 25 ★
- Level 5: ≥25★

Data sources collected from LTS Edu





Architectural Pattern Recognition

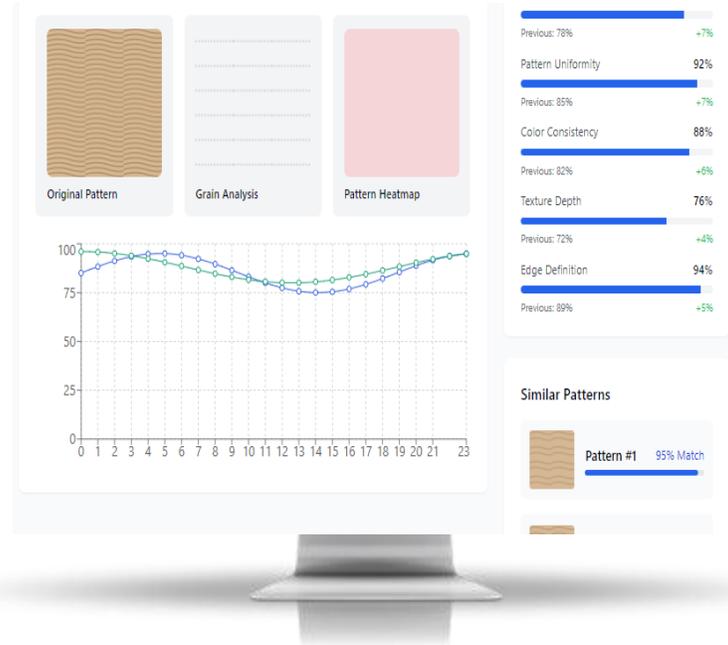
Overview

The customer is a business working in architecture. They hired LTS Group to build an app to help support their customers better in the product search process.

- **Country:** Hong Kong
- **Domain:** Architecture
- **Development process:** Scrum
- **Language:** Python 3, C++
- **ML technique:** image similarity, image segmentation, feature extraction
- **Framework:** VueJS
- **Cloud:** Azure

Business Challenge

Our client wanted to build an architectural pattern recognition app to detect the wood patterns on architectural designs and then query the user's image to find similar patterns.



Scope of work

- UI Design
- Image similarity, Image Segmentation

AI Field

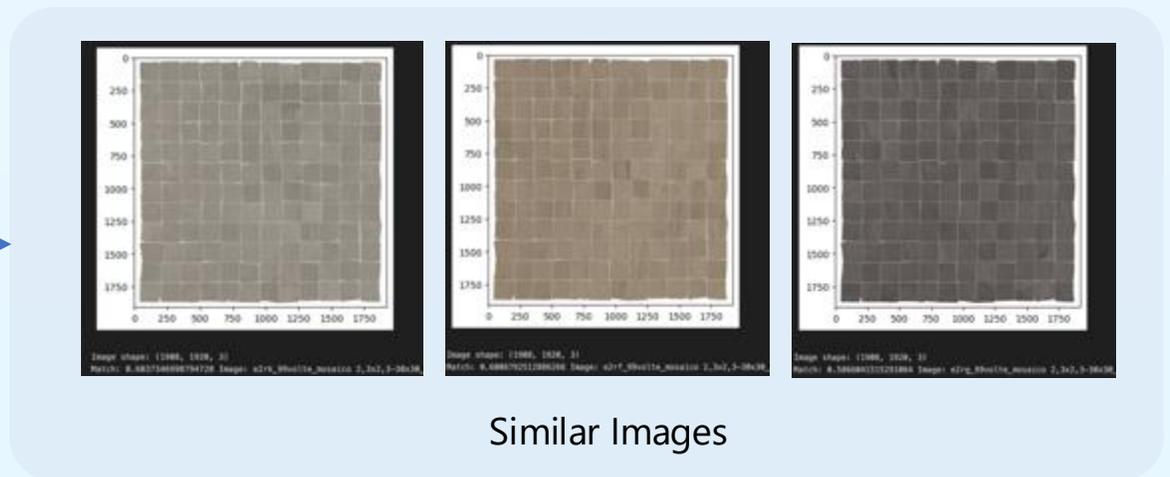
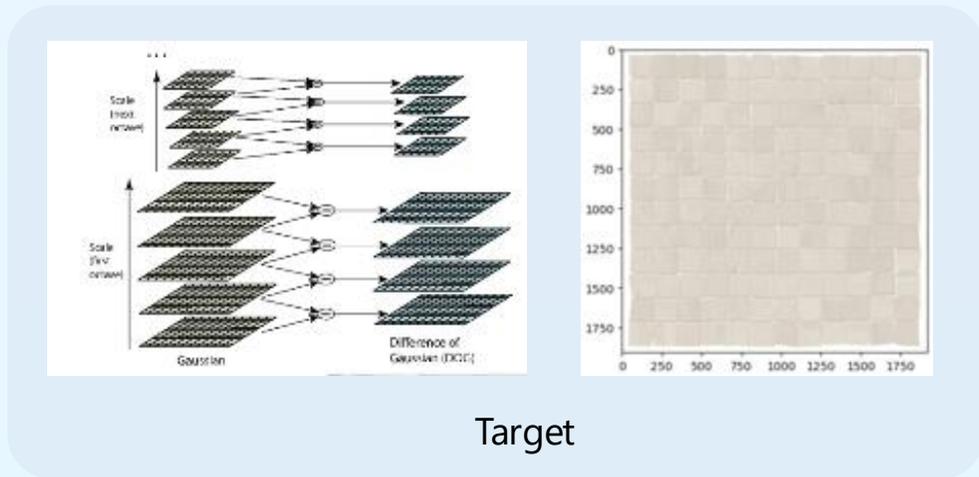
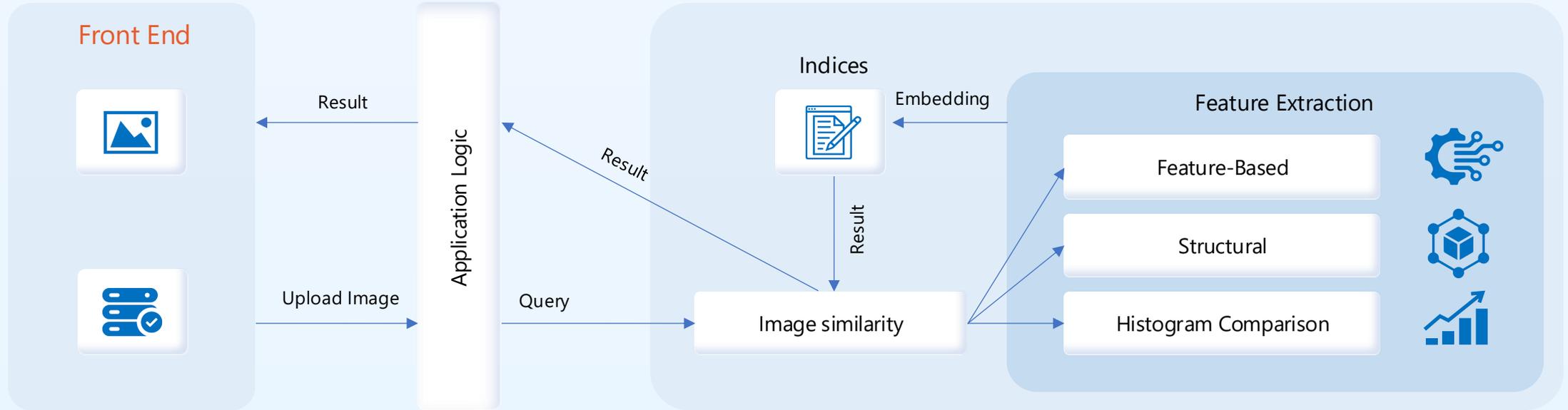
- Computer Vision
- Image Segmentation
- Feature Extraction
- Image Similarity Search
- Vision Transformers

Solutions & Strategies:

Image Processing Pipeline:

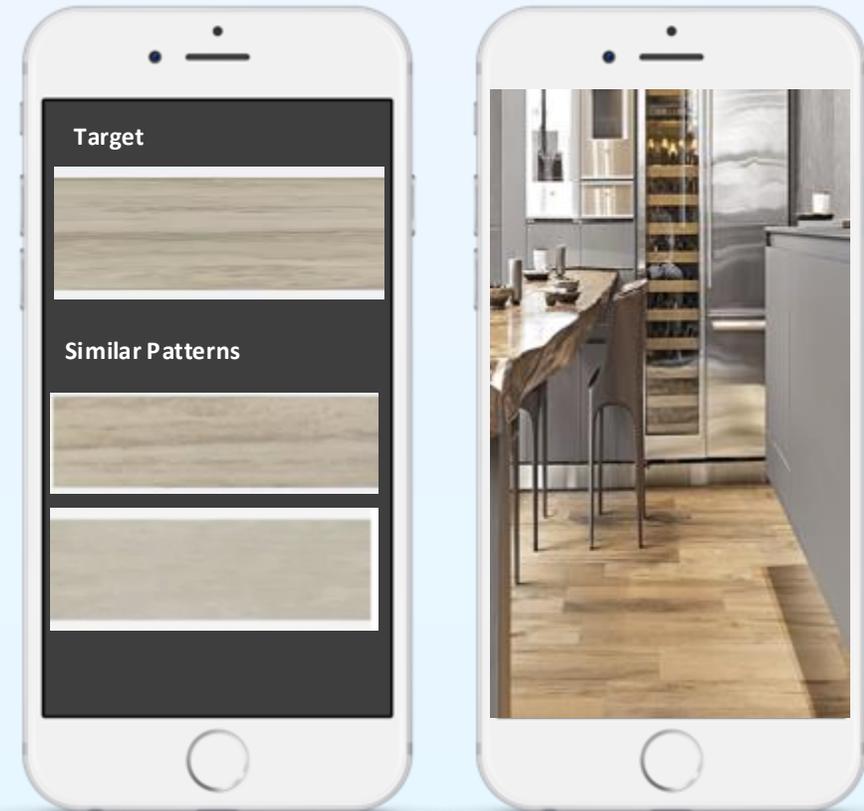
- Utilized several feature extraction techniques.
- Implemented algorithms for additional feature detection and matching
- Employed image segmentation techniques to isolate wood patterns from complex architectural images

AI Feature



Results and Impacts – Architectural Pattern

- **45%**
Time and effort reduction for designers searching for matching wood patterns
- **25%**
Increase in customer satisfaction ratings for interior design projects
- **35%**
Decrease in material waste thanks to more accurate pattern matching
- **200%**
Growth in the catalog indexed wood patterns within 6 months of deployment
- **95%**
Accuracy in identifying and matching similar wood patterns (compared to manual)
- **Market Differentiation**
Positioned the company as a tech-forward leader in the architectural design industry



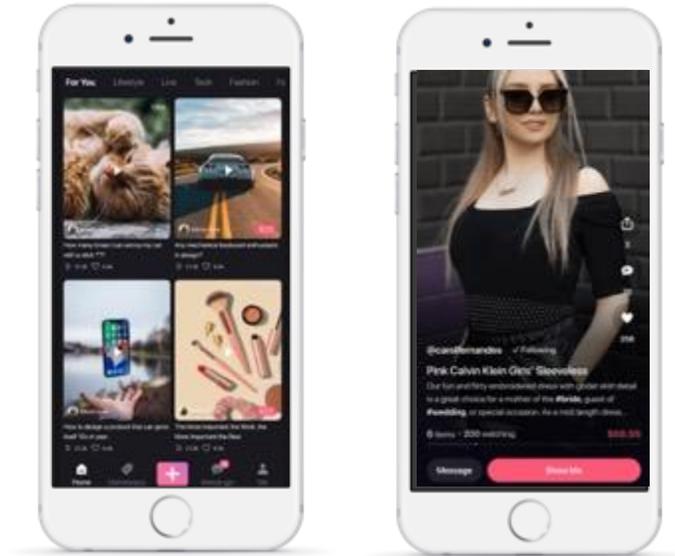
End-to-End Automated Image Captioning System

Overview

Our client is a dynamic digital media company that specializes in providing a platform for photojournalists and photographers. They need an efficient solution to manage large volumes of image metadata and improve search functionality.

Our Automated Image Captioning System addresses these challenges by using advanced AI to automatically generate precise and relevant captions

- Country: US
- Domain: Digital Media
- AI expertise: Computer Vision



Scope of work

- Model Integration
- API Development
- Containerization and Deployment

AI Solution

- Utilize Vision Transformer model to extract comprehensive features and then use Vision Encoder Decoder model to generate descriptive text based on visual content.
- Assists in managing large volumes of digital media
- Automating caption generation for images uploaded to social media

Frameworks

Python 3 FastAPI

Machine Learning

Vision Transformer Vision Encoder Decoder

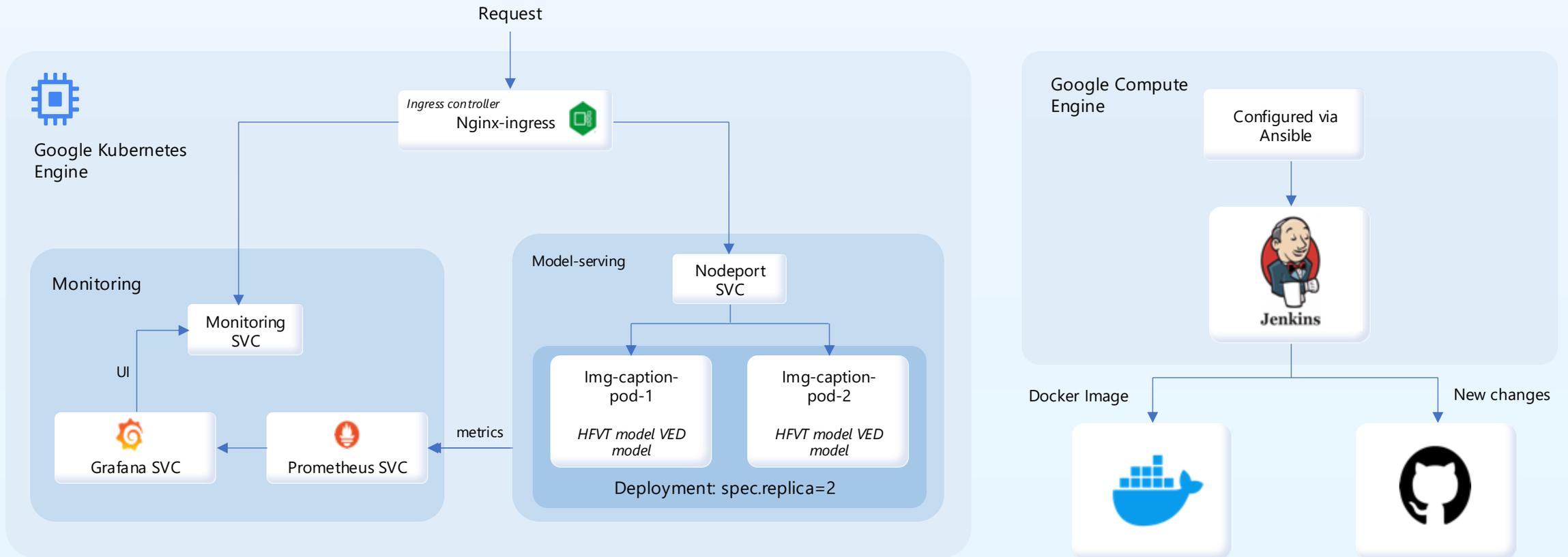
Cloud

Google Kubernetes Engine Google Compute Engine

Monitoring

Prometheus Grafana

End-to-end Image Captioning System Architecture



LLM customed RAG Question-and-Answer System for Healthcare domain

Overview

Our client is a healthcare provider who wants to build a custom chatbot using existing model on their own database. The aim of this project is to deploy a custom RAG model on Mistral-7B using the Healthcare Provider's data to serve as a virtual assistant to the customers to provide quick advices.

This project incorporates the development of RAG, the integration of LLM model and the deployment of container to API services.

- Country: Singapore
- Domain: Healthcare
- AI expertise: RAG, LLM, Vector Database, Semantic Search



Members



Months

AI/ML

Vector Database

Cloud

Query and Retrieval

Monitoring

Retrieval Augmented Generation

LLM

Weaviate

Google Cloud Storage

Google Kubernetes Engine

Nginx-ingress

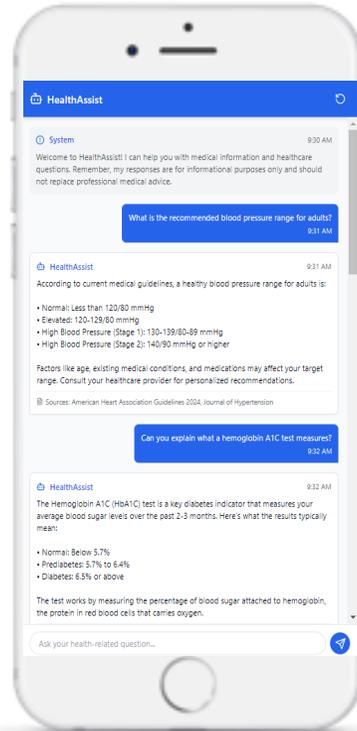
llamaIndex

Prometheus

Grafana

Mistral 7B

ELK Stack



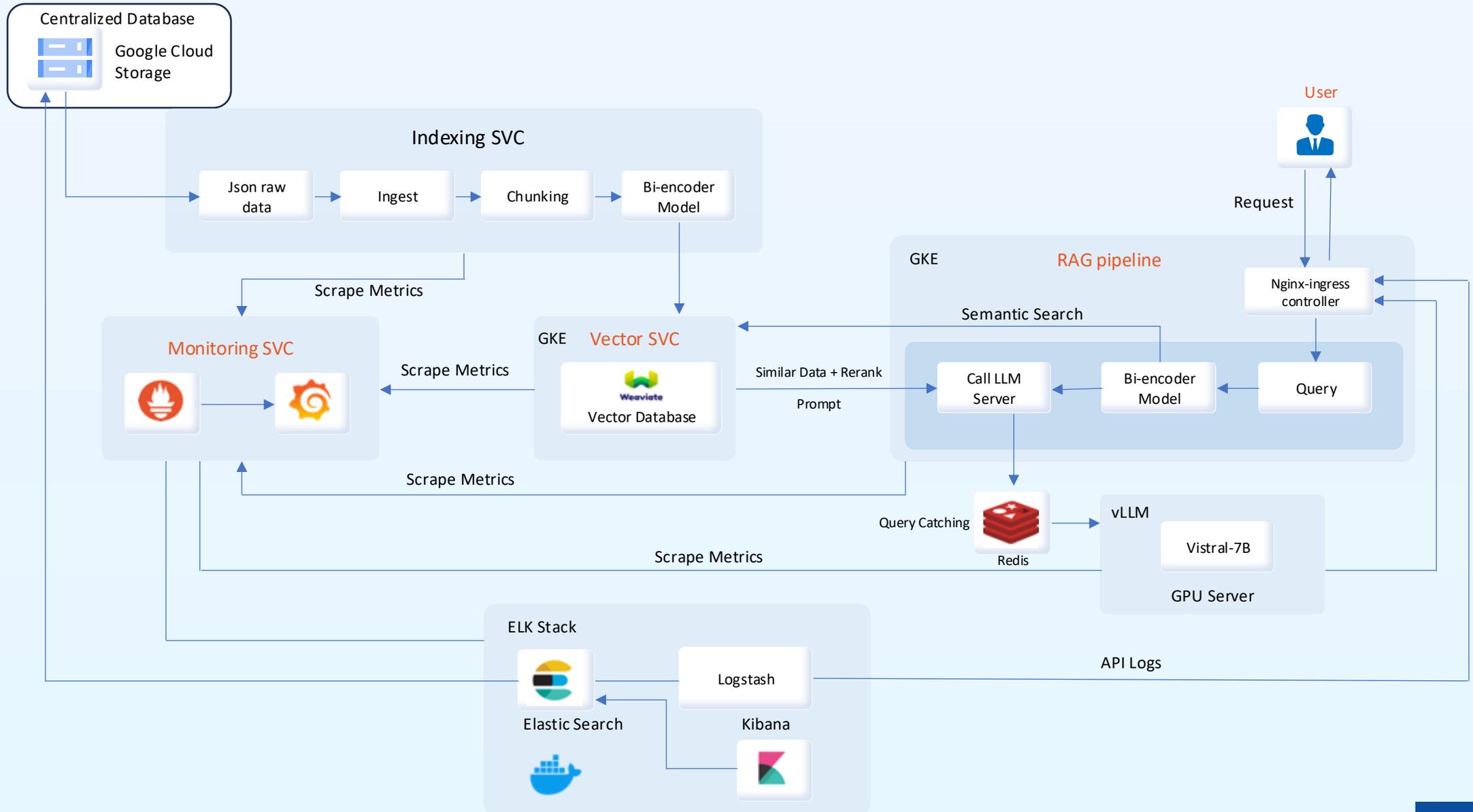
Scope of work

- RAG pipeline development
- LLM Integration
- Containerization and Deployment

AI Solution

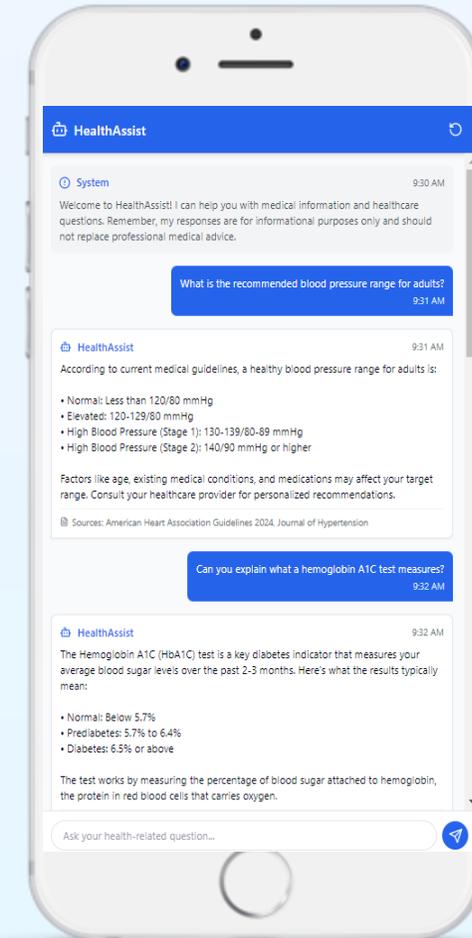
- Developing a RAG pipeline to customize and fact-check the output of the LLM model. Incorporating the use of semantic search on the vector database, rerank the result and generate a prompt for the LLM model.
- Handling data ingestion for raw Json data via indexing pipeline for embedded chunks to be stored in the Database
- Using ELK stack to handle and monitor API requests.
- HIPAA Compliant

Retrieval Augmented Generation QA System – Healthcare Domain



Results and Impacts – RAG QA System

- **24/7**
availability of the virtual assistant, reducing wait times by 80%
- **95%**
accuracy in providing healthcare-related information, a 30% improvement over previous systems
- **Handle 10,000+ concurrent users**
without performance degradation
- **40%**
increase in patient engagement with the healthcare information
- **35%**
reduction in customer support costs
- **20%**
decrease in unnecessary appointments thanks to improved information dissemination

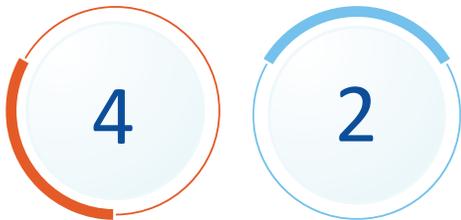


Resume Enhancement

Overview

Our client, a global tech talent platform connecting Korean developers with international opportunities, needed an intelligent system to standardize and localize professional profiles across markets. The goal was to develop an AI-powered solution that could bridge the gap between Korean and Western resume standards while preserving technical accuracy and cultural nuances.

- Country: Korea
- Domain: Professional Career Services
- AI expertise: LLM, Document Analysis



Members

Months

Development

Node.js

Redis

React

PostgreSQL

AI Services

GPT-4 API

Translation Pipeline

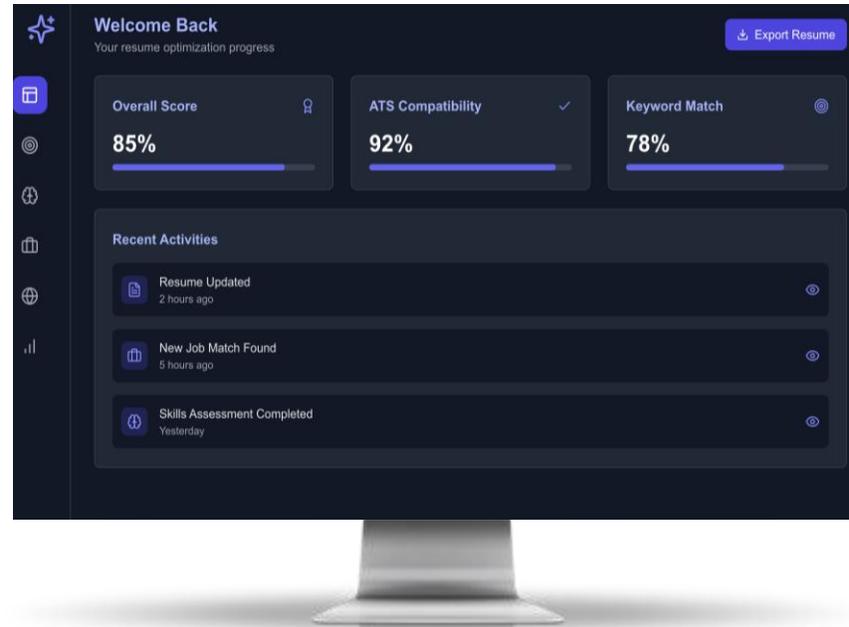
Cloud & Infrastructure

AWS ECS

AWS S3

Monitoring

CloudWatch



Scope of Work

- The project encompasses development of a comprehensive template standardization system with cultural adaptation and ATS optimization.
- Implementation of an LLM-powered content generation pipeline with translation capabilities and quality controls.
- Development of an integrated document generation system handling multiple output formats and quality verification.

AI Solution

- The intelligent template manager provides market-specific formats with dynamic cultural adaptation and format optimization.
- Advanced natural language processor using different LLM (currently used as GPT-4) drives content enhancement with multilingual translation capabilities.
- High-performance document generator delivers professional outputs across multiple formats with automated quality assurance.

API response: <1s
 Concurrent generation: 10 resumes
 System uptime: 99.9%

Job Role Targeting

Scan Job Description

Key Requirements Match

- Cloud Architecture Experience: Excellent
- Team Leadership: Good
- Microservices Design: Excellent
- Agile Development: Good

Overall Match

89%

Strong match for position

Industry Insights

- Market Demand: Very High
- Avg. Experience: 5-7 years
- Key Skills Gap: 2 identified

Suggested Improvements

- Add Certification** (High Impact) - Include AWS Solutions Architect certification
- Quantify Achievement** (Medium Impact) - Add metrics for team leadership success
- Technical Detail** (High Impact) - Specify microservices technologies used

Optimize Resume

Intelligent Resume Enhancement

LLM Chosen: ChatGPT-4

Input Content (한국어)

5년간의 백엔드 개발 경험이 있습니다. Python과 AWS를 주로 사용하며, 마이크로서비스 아키텍처 설계 및 구현 경험이 많습니다. 현재는 테크 솔루션즈에서 시니어 개발자로 일하고 있으며, 시스템 확장성 개선 프로젝트를 리드하고 있습니다.

AI Enhancement Suggestions

- Cultural Adaptation** (Apply)
 - Original: 시니어 개발자
 - Suggestion: Senior Software Engineer
 - Western resumes typically use more specific title conventions
- Technical Enhancement** (Apply)
 - Original: Python과 AWS
 - Suggestion: Python, AWS, and cloud-native technologies
 - Expanding technical stack details improves ATS matching
- Achievement Quantification** (Apply)
 - Original: 시스템 확장성 개선
 - Suggestion: Improved system scalability by 200% through microservices architecture
 - Adding specific metrics increases resume impact

AI Processing Metrics

- Translation Accuracy: **92%**
- Ats Score: **95%**
- Technical Term Accuracy: **98%**
- Cultural Adaptation: **90%**

Translate & Adapt | Generate Resume

Template: Professional Tech | Technical Terms Verified | Cultural Adaptation Complete

Translation accuracy: 92%
 Generation time: avg 3 minutes
 Daily throughput: 20-35 resumes

RAG Pipeline Evaluation System

Overview

Our client, whose expertise is in the field of LLM, needed a system to evaluate and optimize Retrieval-Augmented Generation (RAG) pipelines for their specific data and use cases. The goal was to automate the process of testing various RAG modules and configurations to find the optimal pipeline for their unique requirements.

- Country: Korea
- Domain: Technology Services
- AI expertise: LLM
- Development process: Scrum



Development

Python 3 ReactJS

AI

RAG Pipelines
RAG evaluation

Frameworks

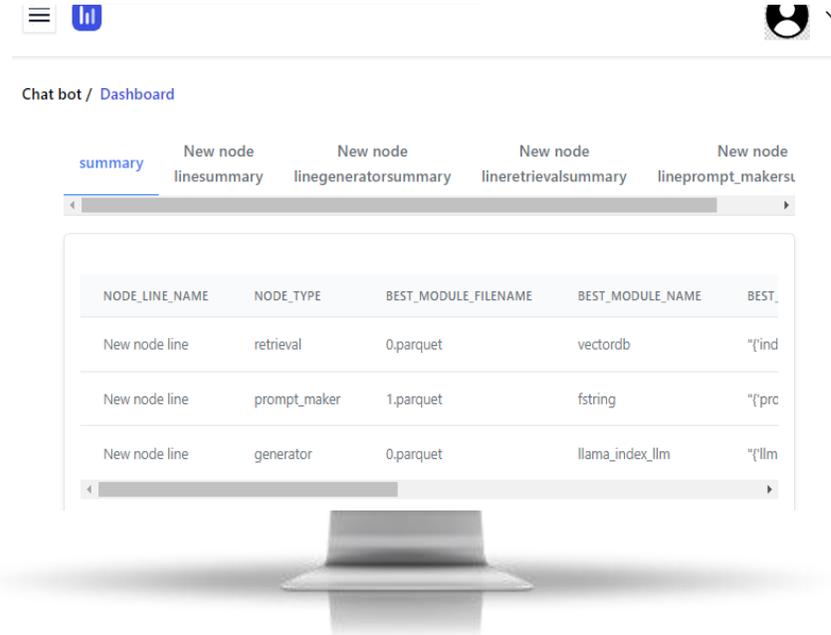
TailAdmin

Deployment

Docker
AWS Codepipeline

Cloud Services

AWS Bedrock AWS Neptune
OpenSearch



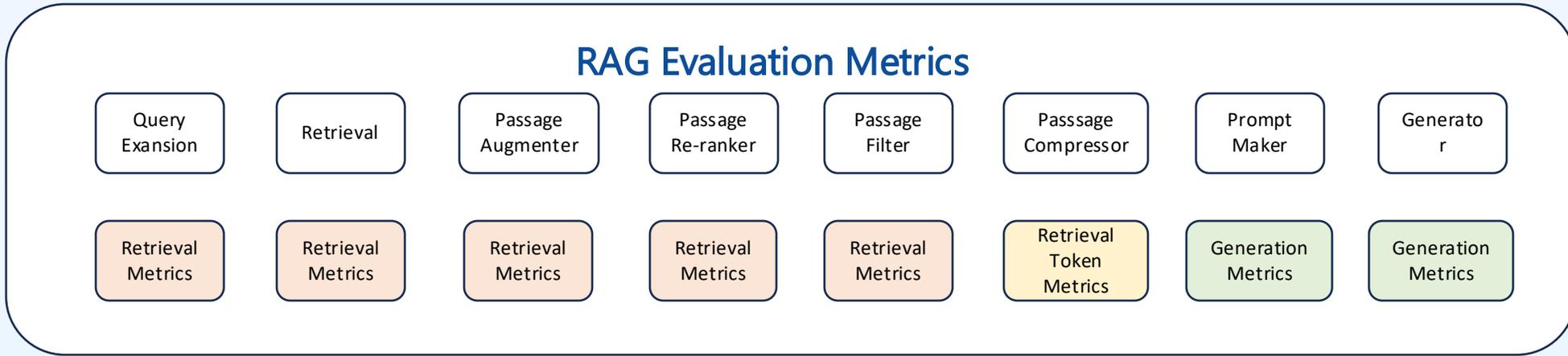
Scope of work

- RAG Pipeline Evaluation
- Modular RAG Components
- Automated Testing
- Cloud Integration
- Performance Metrics
- Auto-deployment to chat

AI Solution

- Created a modular RAG pipeline architecture supporting various components
- Implemented comprehensive evaluation metrics for RAG performance
- Developed an automated system to test multiple RAG configurations
- Built a dashboard for visualizing evaluation results and comparisons
- Integrated the system with cloud services for data storage and processing
- Implemented auto-deployment of the best-performing RAG pipeline to a chatbot interface

RAG Evaluation Metrics



Chat bot / Dashboard

summary New node linesummary New node linegeneratorsummary New node lineretrievalsummary New node lineprompt_makersummary

NODE_LINE_NAME	NODE_TYPE	BEST_MODULE_FILENAME	BEST_MODULE_NAME	BEST_SCORE
New node line	retrieval	0.parquet	vectordb	"{ind
New node line	prompt_maker	1.parquet	fstring	"{prc
New node line	generator	0.parquet	llama_index_llm	"{llm

RAG Evaluation

Evaluate best RAG pipeline



Auto-deploy to Chat

What are good and bad sides of manual and automatic drive gear?

Here are some key points comparing manual and automatic transmissions: Good sides of manual transmissions: - Generally cheaper to buy and maintain - Often provide better fuel economy - Give driver more control over gear selection and engine power - Can be more engaging/fun to drive for enthusiasts - Typically lighter weight than automatics Bad sides of manual transmissions: - Require more skill and effort to drive, especially in traffic - Can be tiring in stop-and-go driving - Higher learning curve for new drivers - Potential for stalling if not operated correctly Good sides of automatic transmissions: - Easier and more convenient to drive, especially in traffic - Less driver fatigue in stop-and-go conditions - Smoother shifting for most drivers - Modern automatics can shift faster than manual transmissions Bad sides of automatic transmissions: - Usually more expensive to buy and repair - Historically less fuel efficient (though gap is narrowing) - Less direct control over gear selection - Can be less engaging for driving enthusiasts - Added weight compared to manual transmissions In summary, manual transmissions tend to offer more control and engagement at a lower cost, while automatics provide more convenience and ease of use, especially in traffic. The choice often comes down to personal preference and driving conditions.

RAG chatbot

Investment Portfolio Analytics

Overview

Our client is an investment advisory firm that needed a comprehensive dashboard solution for managing their client portfolios, financial data, and investment analytics. They required a scalable platform to handle real-time market data and provide investment portfolio analysis tools for the client to also able to view their portfolio performance.

- Country: US
- Domain: Financial Services
- Development process: Investment Management



To uphold our commitment to data privacy and client confidentiality, all data presented in this case study are entirely fictional and created for illustrative purposes only.

Scope of work

- Dashboard UI Development
- Market Data Integration
- Analytics Engine Implementation
- Performance Reporting System

Core Features

- Portfolio Analytics:
 - Basic Performance Metrics
 - Asset Allocation Views
 - Historical Performance
- Investment Monitoring:
 - Position Tracking
 - Asset Class Breakdown
 - Market Value Updates
- Client Reporting:
 - Performance Reports
 - Portfolio Statements & Asset Summaries

4
Members

3
Months

Development

TimescaleDB

Websocket Protocol

NodeJS

React

Data Processing

Time Series Processing

Event Streaming

Integration

Bloomberg

MSCI

Deployment

AKS with Availability Zones

Cloud Services

Azure Event Hubs

Azure DFPogreSQL - HA

Azure Monitor

Azure Front Door

Financial Data Mapping Platform

Overview

Our client, a financial solution firm needed a centralized platform to aggregate and process banking data from multiple institutions. The solution required real-time data processing, automated reconciliation, and secure API integration with various banking systems.

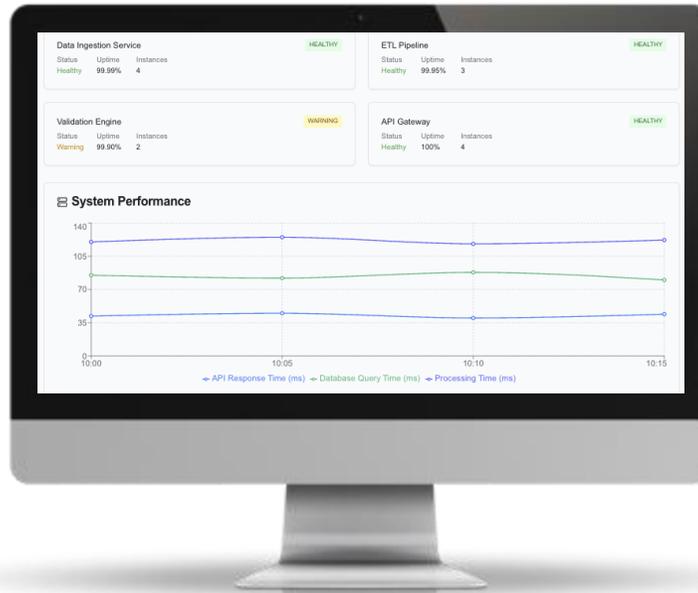
- Country: US
- Domain: Financial Services
- Vertical: Financial Management



Members



Months



Scope of work

- Bank API Integration System
- Real-time Data Processing ETL Pipeline
- Data Lake Architecture
- Analytics Infrastructure

Core Features

Data Integration:

- Multi-bank Connectivity
- Real-time Data Streaming
- Automated Data Validation

Processing Engine:

- Data Transformation Pipeline
- Schema Standardization
- Data Quality Monitoring

Analytics Platform:

- Custom SQL Querying
- Data Visualization
- Automated Reporting

Monitoring & Security



Data Processing Layer

Apache Kafka

Apache Spark

Custom Bank Data Mapping

Apache Flink

Storage

AWS S3

AWS Redshift

AWS RDS
PostgreSQL

Mapping & Transformation

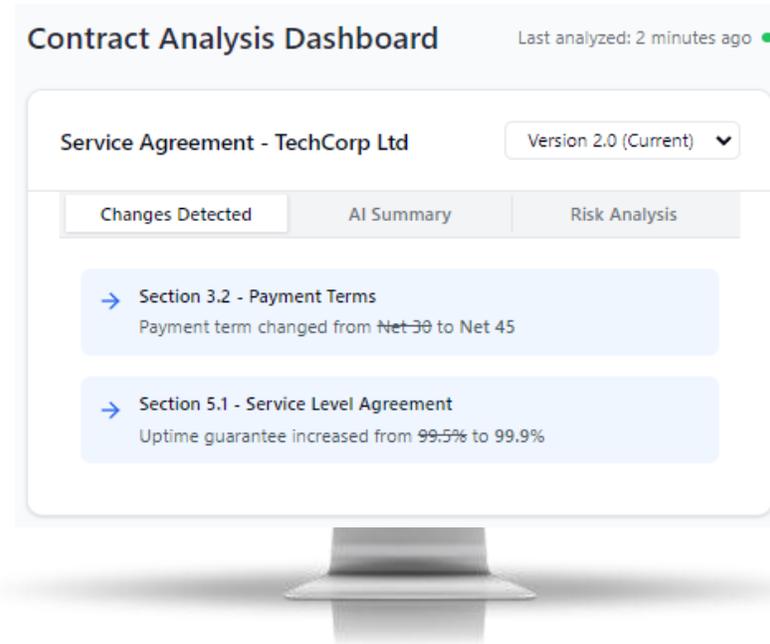
Spark SQL

Schema Registry

Smart Investment Contract Management System

Overview

An AI-powered solution that automates the analysis of investment agreements and M&A documents, reducing manual review time by 70%. The platform automatically detects risks, tracks changes across document versions, and streamlines due diligence by extracting key terms and conditions from complex investment documents.



Technology Highlights

- Cloud-based architecture
- Enterprise-grade security
- API integrations
- Custom workflow engine

System capabilities

- Multi-format document support (PDF, Word, Excel)
- Automated term extraction and classification
- Custom template creation and management
- Advanced reporting and analytics dashboard

AI Solution

- **Contract Change Tracking:** Automatically compare and track revisions between contract versions to provide a clear audit trail of changes
- **Contract Summarization:** Generate concise summaries of key contract points to enable faster reviews by legal teams
- **Toxin Clause Detection:** Identify and flag potentially harmful or risky clauses

AI Services

Vertex AI Pipelines

Data Storage & Management

Google Cloud Storage

Cloud SQL

Backend Services

Vertex AI Model Endpoints

Cloud SDK

Workflow Orchestration

Vertex AI Pipelines

Security & Monitoring

GCP IAM

Cloud Logging

Smart Investment Contract Management System

Current Challenges:

Time-Intensive Review Process

Manual document review consuming valuable team resources

Risk of Missing Critical Information

Human error in reviewing complex documents

Version Control Issues

Difficulty tracking document changes and versions

How We Help

Document Processing & Analysis

- Automated analysis of investment agreements & term sheets
- Key term extraction and risk flagging
- Intelligent version comparison

Due Diligence Acceleration

- Automated document categorization
- Summary report generation
- Complete audit trail maintenance

Practical Example

Before

4-5 hours to review a 100-page investment agreement

After

15-20 minutes for initial AI analysis and key point extraction

Result

80% of time reduction in document review process

Smart Investment Contract Management System

How It Helps Business

- Automates due diligence process by analyzing contracts and documents, reducing manual review time by 70%
- Identifies risks and key terms across all investment documents, ensuring nothing is missed
- Enables real-time collaboration between teams during M&A processes
- Tracks document versions and historical changes, providing a clear audit trail for compliance and decision-making.

Key Benefits

70%
Time saved

85%
Accuracy Rate

60%
Cost Reduction

99%
Compliance (Company' rules)

Business Impact

-  Faster deal execution through automated document processing
-  Reduced risk through comprehensive document analysis
-  Enhanced team collaboration and efficiency

The Smart Investment Contract Management System empowers teams to:

- Automate repetitive tasks.
- Minimize human errors.
- Gain actionable insights.
- Optimize collaboration across stakeholders.

Smart Investment Contract Management System

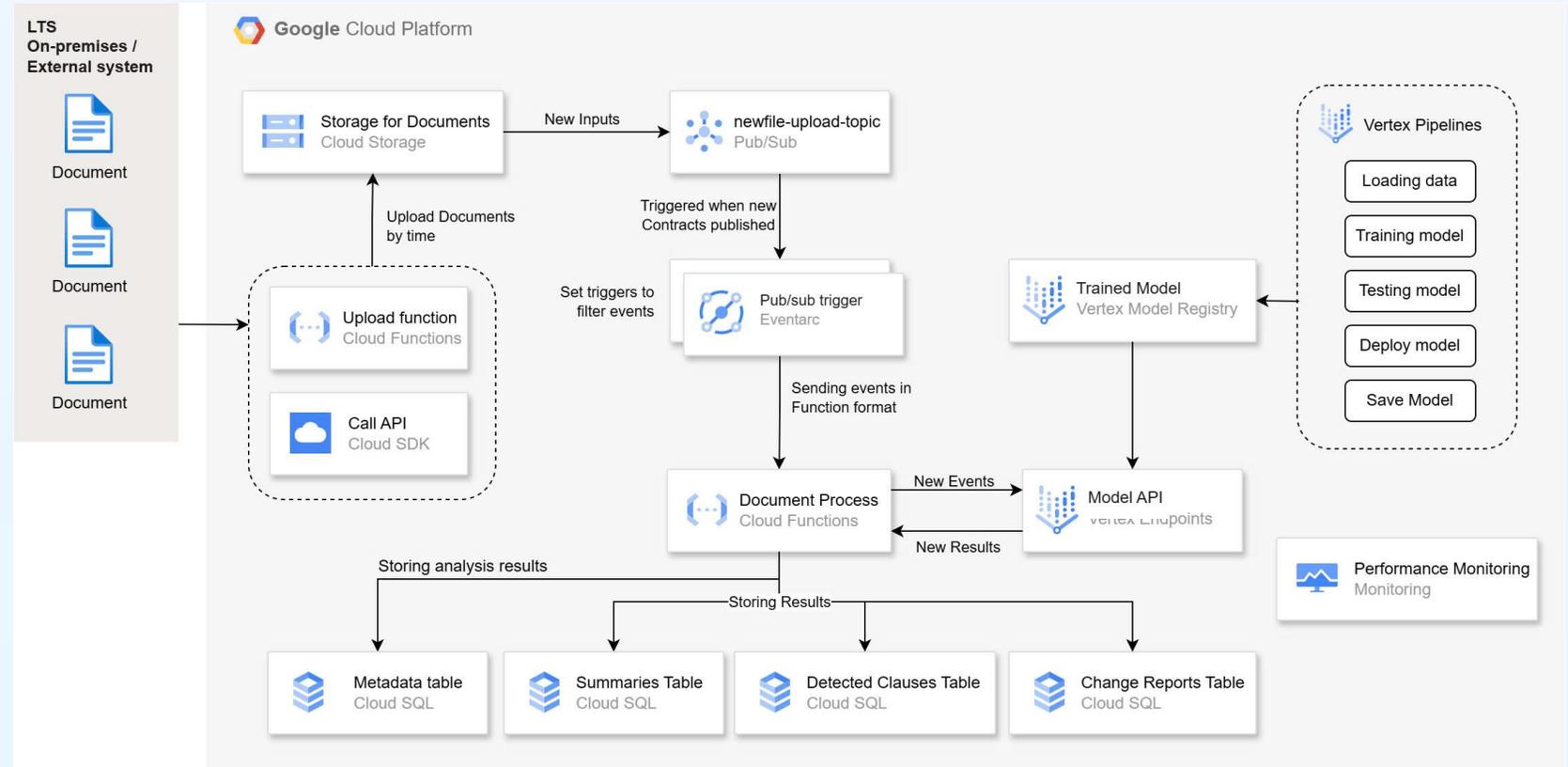
Analysis Status

- AI Processing ✔
- Risk Assessment ✔
- Change Detection ✔
- Legal Review Required ✘

Processing History

Version 2.0 analyzed	2 mins ago
Version 1.0 analyzed	2 days ago
Contract uploaded	2 days ago

Analysis Module



System Architecture on Google Cloud Platform

Banking Document Management System

Overview

Our client is developing an internal Q&A system requiring local AI model hosting for data privacy and performance. The system will use Llama 3 70B fine-tuned model to process technical documentation and provide accurate responses to user queries while maintaining all data within their local server.

- Country: Vietnam
- Domain: Banking/Finance
- AI expertise: LLM with data privacy protection
- Development process: Scrum



Members

Months

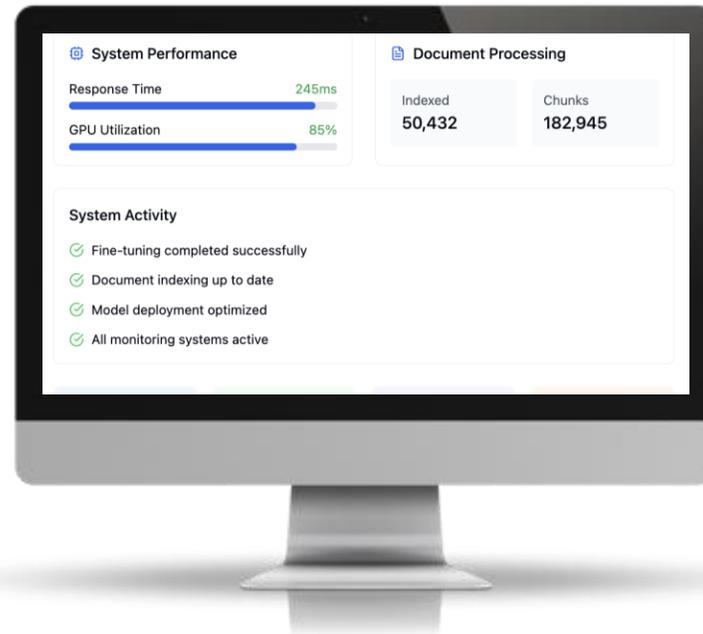
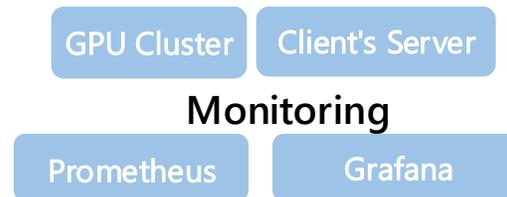
Development



AI



Deployment



Scope of work

- Model Fine-tuning Development
- RAG System Integration
- Performance Optimization

Core Features

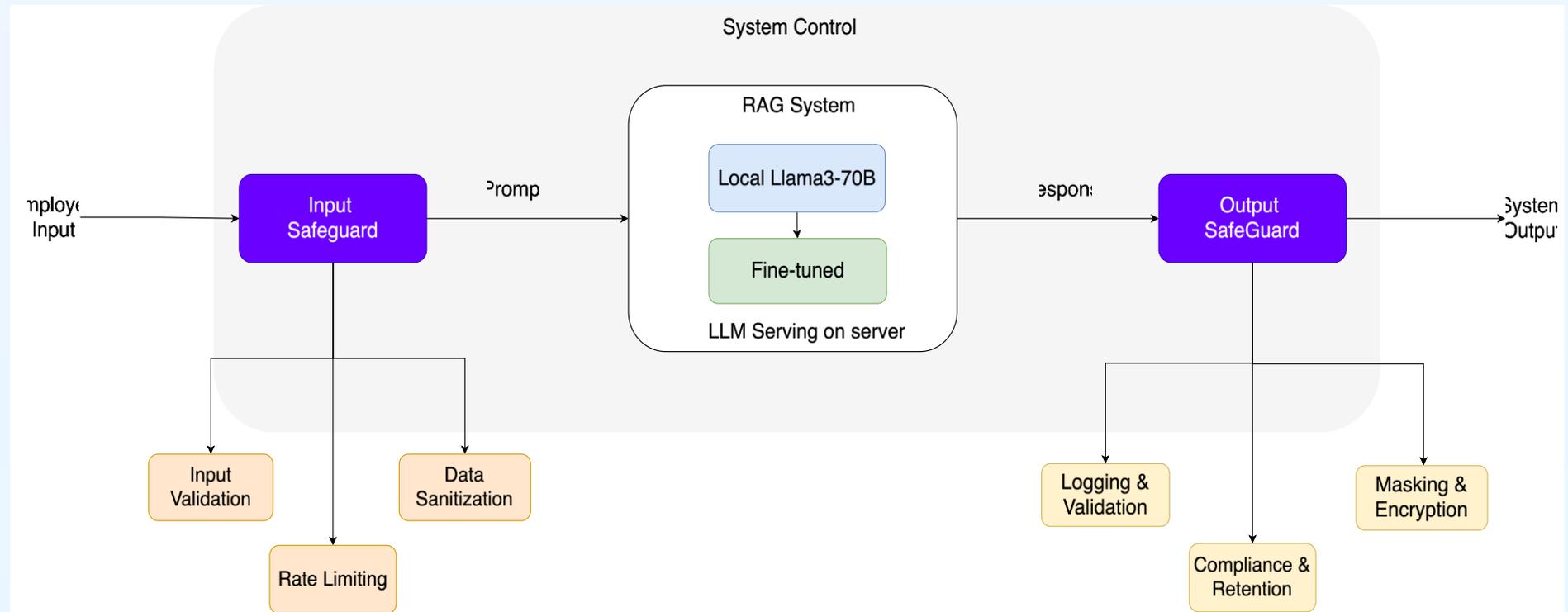
- Implemented local hosting for Llama 3 70B with optimized inference. Fine-tuned Llama 3 70B on client's proprietary data on LORA.
- Created streaming chat interface with context management
- Developed document processing pipeline with chunking optimization. Implemented a system to track document updates.
- Built comprehensive monitoring system for performance metrics
- Integrated security controls for bank compliance
- Implemented auto-scaling for resource management.

Note: Display shows simulated performance metrics and system statistics as this is an ongoing project. Actual production metrics, document counts, and system activities contain client-sensitive information and are subject to confidentiality agreements.

Document Management System

Privacy-First System Architecture

- Input Validation & Sanitization prevents malicious data entry
- Rate limiting protection against abuse
- Comprehensive data masking and encryption
- Complete audit trail with retention policies



Document Management System

Financial Knowledge Base

CONNECTED DATABASES

- Compliance DB** 5m ago
1234 documents indexed
- Risk Assessment** 10m ago
856 documents indexed
- Policy Documents** 1h ago
567 documents indexed
- Financial Reports** 15m ago
2341 documents indexed

ACCESS LEVELS

- Full Access**
- Risk Management
- Compliance
- Audit

Database Query Interface

Connected 4 Sources 12 active users

Welcome! I'm connected to the following databases:

- Risk Management
- Compliance
- Financial Reports
- Policy Documents

Show me our current lending policies for corporate clients with revenues over \$50M

Sarah K. 2 min ago

Searching across databases... Found relevant policies in:

- Corporate Lending Guidelines (2024)
- Risk Assessment Framework

Based on our current lending policies for large corporate clients (>\$50M revenue):

Key Policy Points:

- Maximum unsecured lending: Up to \$25M
- Required minimum credit rating: BBB+ or equivalent

Ask about financial policies, risk assessments,

Current Query Context

Search Parameters

Time Range: Last 12 months

Document Types: Policies, Guidelines

Department: Risk Management

Related Documents

- SME Lending Guidelines 2024
- Risk Assessment Framework
- Credit Policy Update

Recent Access Logs

- Sarah K. Queried lending policies 2h ago
- Mike R. Accessed risk framework 3h ago
- David L. Updated guidelines 5h ago

System Benefits:

- Complete data sovereignty with local processing
- Enterprise-grade security compliance
- Employee-level access control

Steel Plates Image-to-text System

Overview

Our client, a steel processing facility, aimed to automate their steel plate identification and data logging process. The project's goal was to replace manual verification and logging with an automated system using cameras and OCR technology, integrating with their existing Oracle database.

- Country: Korea
- Domain: Technology
- AI expertise: CV
- Development process: Scrum



Scope of work

- Hardware setup: Installation of industrial-grade cameras and lighting systems
- Software development: OCR integration and database connectivity
- Data processing: Automated verification and logging of captured data

AI Solution

- Developed an end-to-end system for automated steel plate text capture and processing
- Implemented OCR technology to extract text from captured images of steel plates
- Created a synchronized software solution to control cameras and lighting for optimal image capture
- Integrated real-time data verification and error handling mechanisms
- Automated data input into the existing Oracle database system



Members



Months

Hardware

Industrial High-Resolution cameras

Adaptive Lighting Systems

ML Technique

Custom OCR AI model

Data Mangement

Oracle Database

System Integration

Flask

Monitoring

ELK Stack

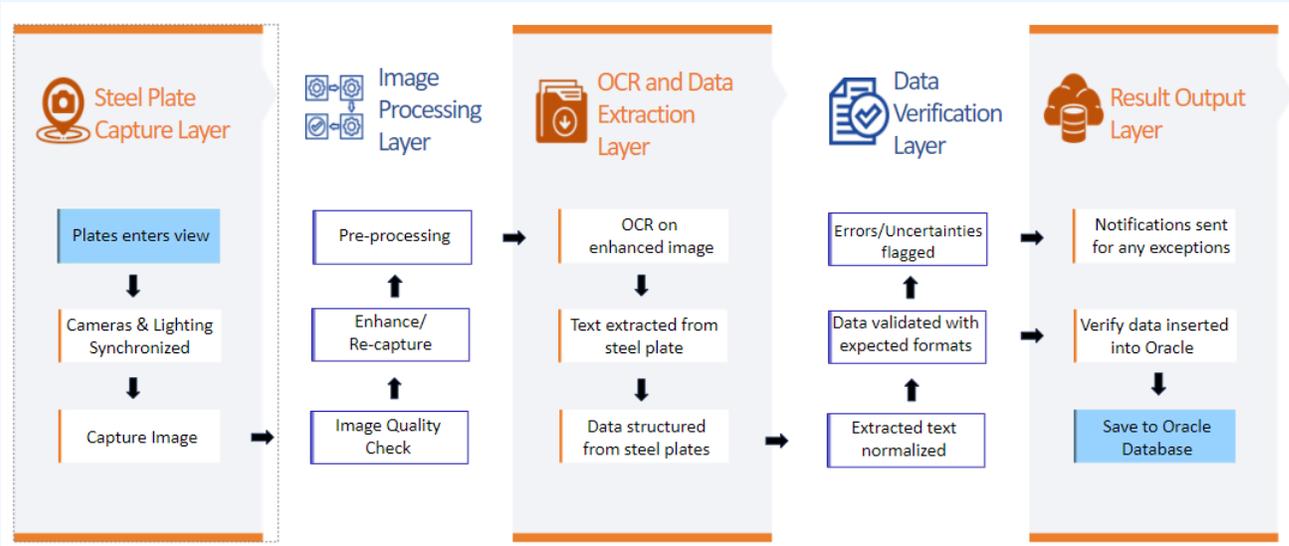


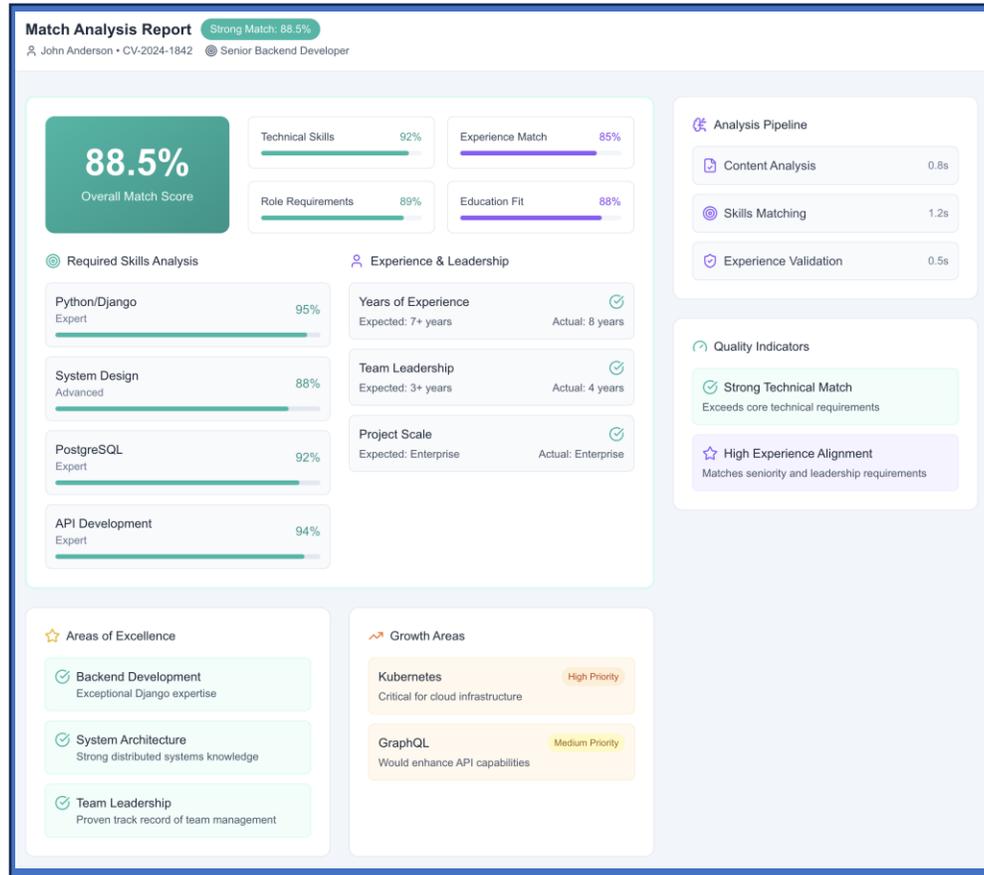
Image-to-Text Multi-layered Architecture

Intelligent Job Matching Platform for IT Recruitment Agency

Overview

Our client is a specialized IT recruitment agency processing 5,000-7,000 technical CVs monthly. This project aims to deploy a custom job matching system using text-embedding-3-large model for semantic search and matching.

- Country: Hong Kong
- Domain: HR
- AI expertise: GenAI, Speech-to-text
- Development process: Scrum



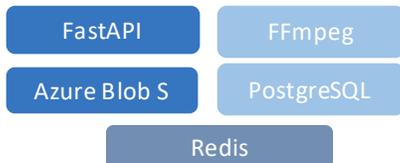
Scope of Work

- CV & Job Description Processing
 - Document parsing and standardization
 - Technical skill extraction
 - Format normalization
- Embedding Pipeline Development
 - Integration with OpenAI's API
 - Vector search implementation
 - Batch processing system
- Matching System Development
 - Scoring algorithm development
 - Cache implementation
 - API development

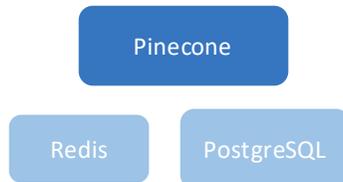
AI Solution

- Document Processing System
 - Apache Tika for extraction
 - Custom parsers for structure
 - Technical term standardization
- Embedding System
 - OpenAI text-embedding-3-large
 - Batch processing (32 docs)
 - Pinecone for vector storage
- Matching Engine
 - Custom scoring algorithm
 - Technical skill matcher
 - Experience level analyzer

Core Services



Storage

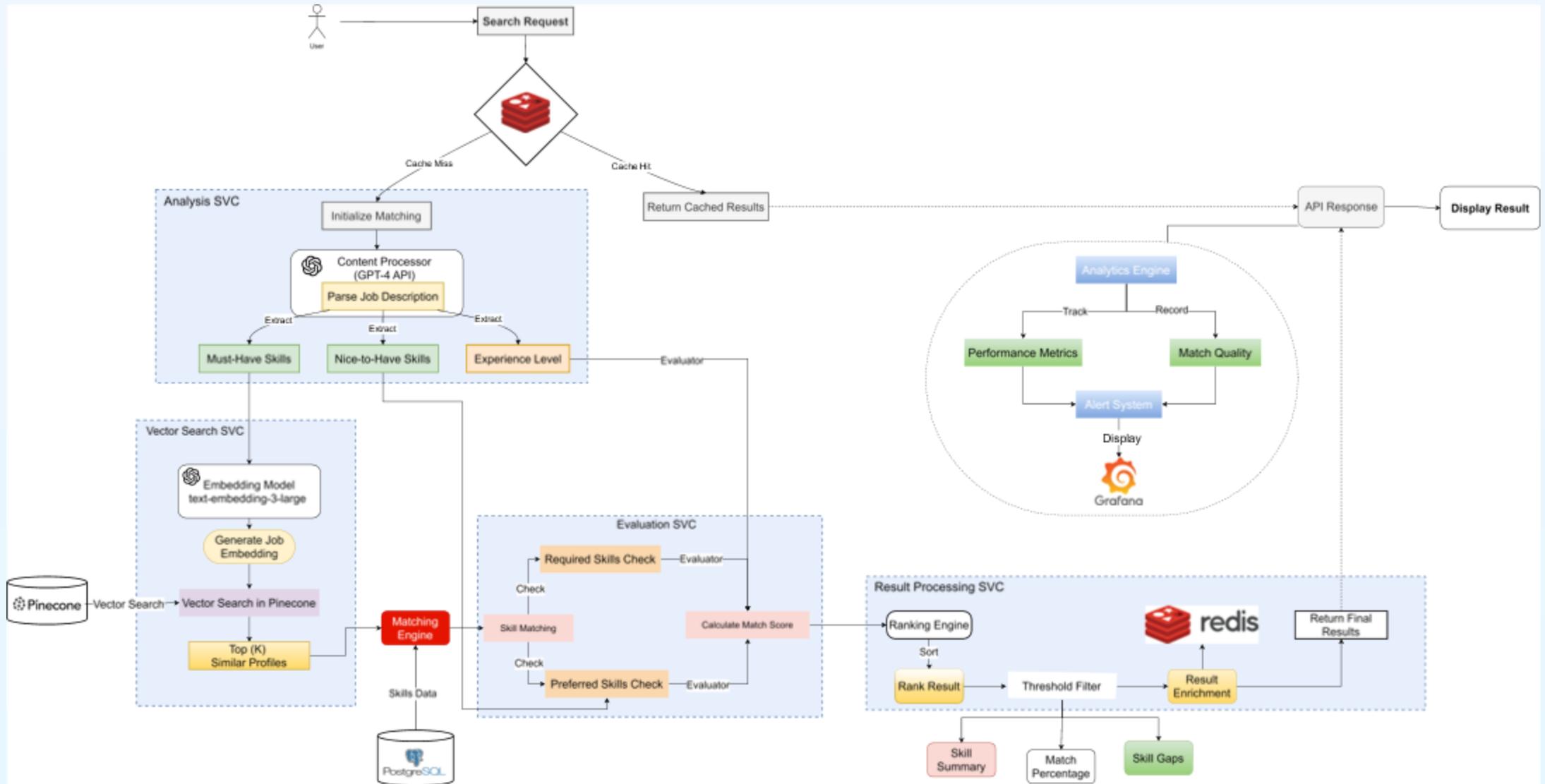


Infrastructure



Monitoring





System Architecture for Job Matching System

Interview Analysis System for Technical Recruitment

Overview

Our client is a technical recruitment firm conducting over 150 technical interviews monthly. They want to build a custom interview analysis system using existing LLM models. The goal is to automate the transcription and analysis of technical interviews to provide consistent evaluation and reduce manual effort for the interviewer to easier assess the candidates

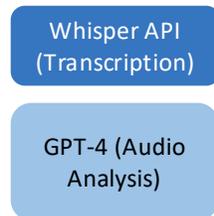
- Country: Vietnam
- Domain: HR
- AI expertise: GenAI, Speech-to-text
- Development process: Scrum



Core Services



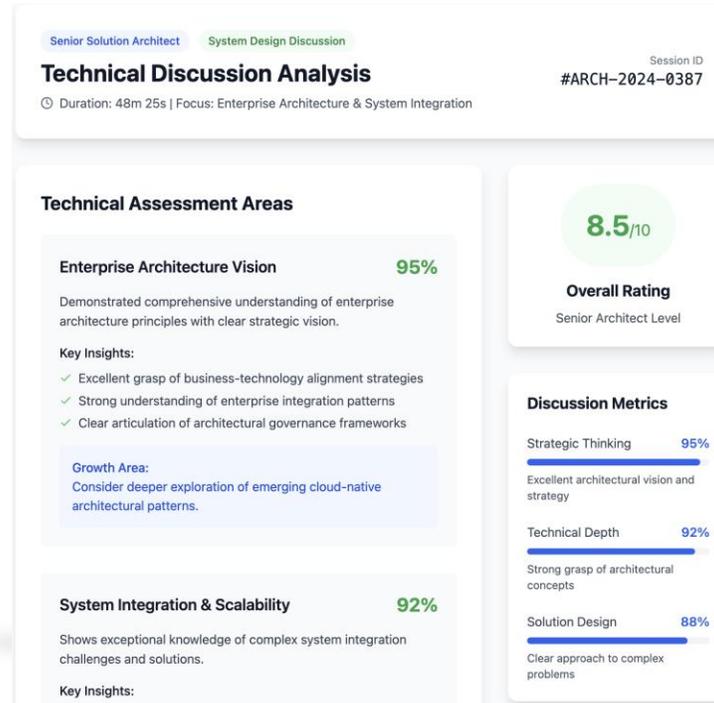
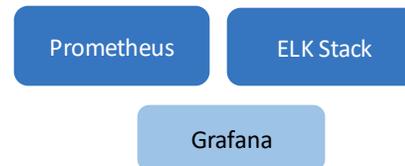
AI Models



Infrastructure



Monitoring



Scope of Work

- Audio Processing Development
- AI Integration
- Analysis & Reporting

Core Features

Transcription Pipeline

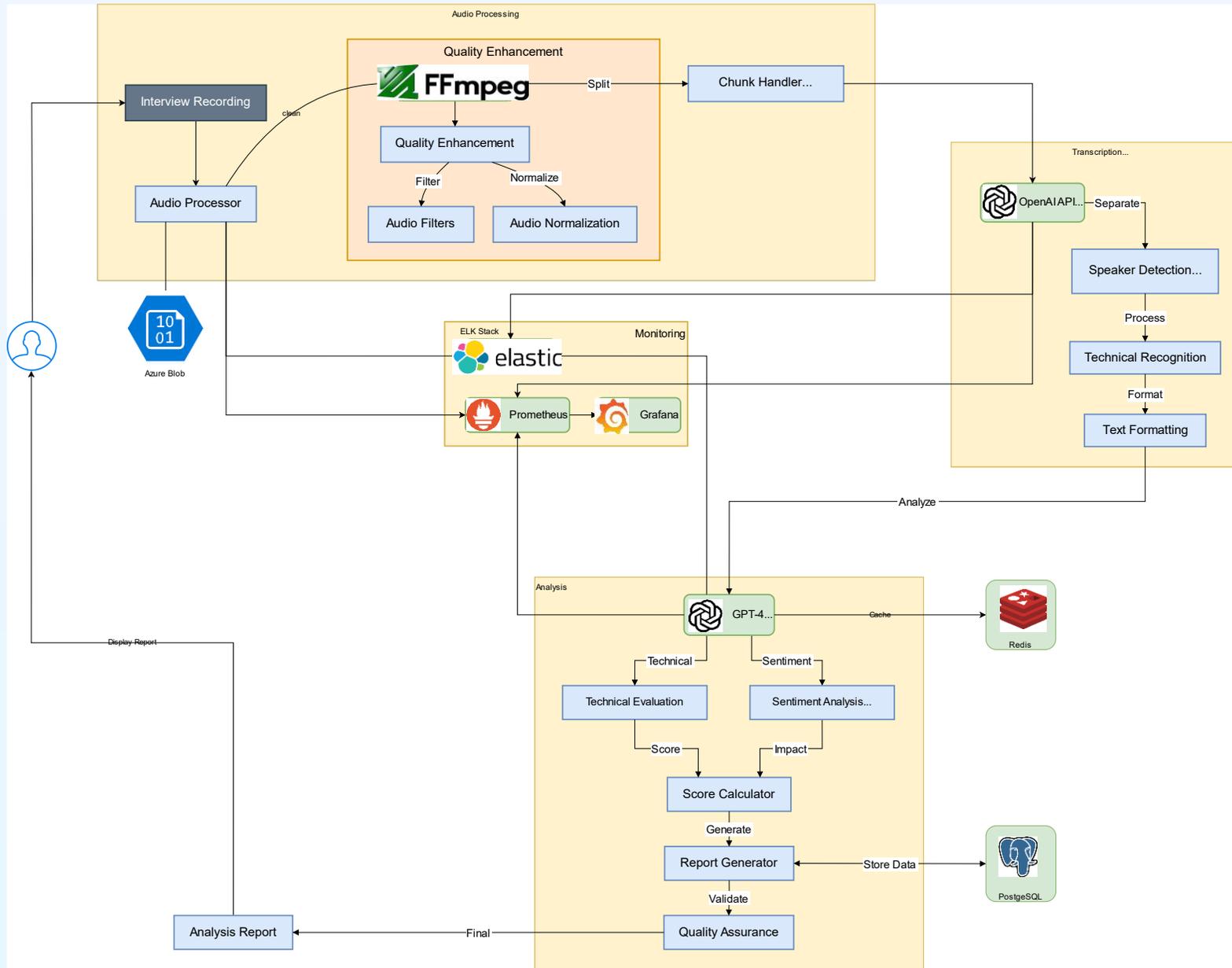
1. Processing and chunking audio files
2. Technical terminology recognition
3. Speaker separation for Q&A tracking

Analysis System

1. Technical content evaluation
2. Communication clarity assessment
3. Problem-solving methodology analysis

Report Generation

1. Structured feedback creation
2. Technical competency scoring
3. Interview summary generation
4. Key highlight extraction



System Architecture for Interview Analysis

Interview Analysis System for Technical Recruitment

Efficiency Improvements

Metrics	Before	After
Interview Analysis Time	1-2 hours/interview	15 minutes
Daily Processing Capacity	8 interviews	30+ interviews
Evaluation Consistency (inter-rater)	65%	95%
First-pass Assessment Accuracy	70%	92%
Interviewer Productivity	3 interviews/day	6 interviews/day
Hiring Process Duration (whole cycle)	21 days	14 days

System Performance

Transcription Accuracy: 98% for clear audio
 Analysis Generation: 5-7 minutes per interview
 System Uptime: 99.9%

Key Achievements

Operational Excellence

- 87.5% reduction in analysis time
- 95% evaluation consistency
- 100% increase in interviewer productivity

Quality Improvements

- Standardized evaluation criteria
- Comprehensive technical assessment
- Objective scoring system
- Detailed feedback generation



Business Impact

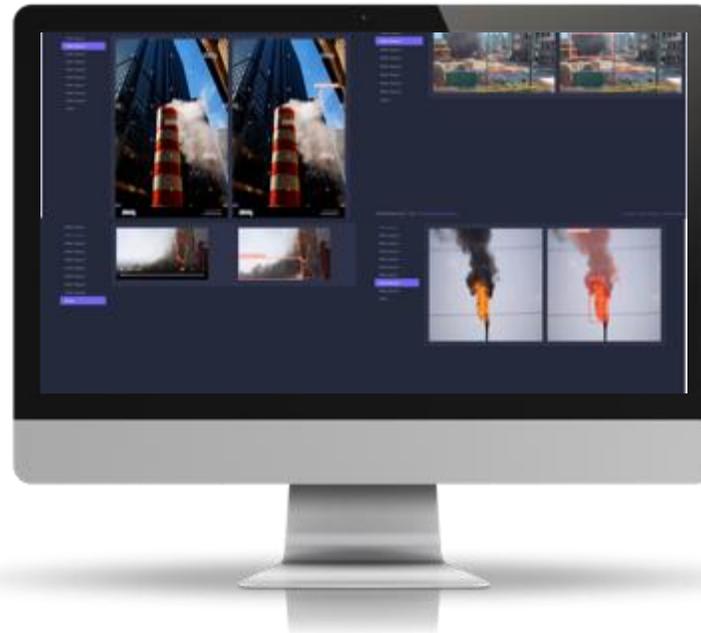
- Faster hiring decisions
- Improved candidate experience
- Reduced recruitment costs
- Scalable interview process

Fire and Smoke Detection

Overview

Our client wanted to build a smoke and fire recognition prototype system at construction sites to provide timely warnings.

- **Country:** U.S.
- **Domain:** Enterprise
- **AI expertise:** Computer vision
- **Development process:** Scrum



Scope of work

- Development

AI Solution

- **Collecting fire and smoke image dataset:** The fire and smoke dataset for object detection includes 700 images. There are 1000 fire and smoke images for segmentation.
- **Selection of the suitable model:** We used two models YOLOv8-n for fire and smoke detection and YOLOv8-n-seg for fire and smoke segmentation. Fine-tuned model on 25GB smoke-fire dataset.



Members



Months

Language

Python 3

C++

ML Model

YOLOv8-n

YOLOv8-n-seg

ML Technique

Object Tracking

Object Detection

Style Classification

Framework

VueJS

Cloud

Azure

Banking Customer Register Application

Overview

Our client wanted to enhance their bank's customer onboarding process by implementing mobile eKYC technology and face matching module.

- **Country:** Vietnam
- **Domain:** Banking
- **AI expertise:** Computer vision | Facial recognition
- **Development process:** Scrum



Members

Months

Features

Language

ML model

Facial Recognition

Database

Development

Platform

Python

Eigenfaces

Dlib

PostgreSQL

React.js

Web

Elasticsearch

Django

React native

iOS

Android



App Benefit

- Enhanced Security
- Fraud Prevention
- Improved Customer Experience
- Operational Efficiency
- Regulatory Compliance

System Functionality

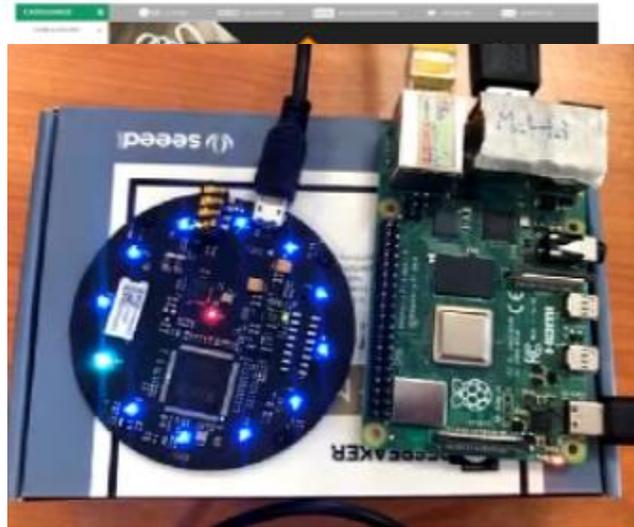
- Document Capture & OCR
- Data Extraction and Validation
- Customer Photo Database
- Real-time Face Matching
- Facial Recognition Algorithms
- Confidence Threshold
- Alert Generation

Real-Time Voice Assistant on an Omnidirectional Microphone Array

Overview

A US–Vietnam partnership required a low-latency Speech-to-Text (STT) system that captures multidirectional voice input and displays accurate real-time subtitles in English and Vietnamese. The client’s application environment posed a high-noise challenge, demanding an optimized neural model and embedded noise suppression techniques for transparent speech capture.

- Country: US-Vietnam
- Domain: Voice Assistant/Speech Recognition



Scope of work

- Quantizing STT model, utilizing ReSpeaker capabilities to optimize for low-latency inferencing
- Limited the STT vocabulary to **English** and **Vietnamese**. Ensured swift context switching between both languages in real time.
- Managed noise removal within the speech transmission pipeline to boost speech clarity & handled **two simultaneous speakers** by leveraging separate channels.

Techniques

- Employed **spectral subtraction** and **spatial filtering** to separate multiple voice inputs.
- Implemented real-time filtering to handle ambient noise in dynamic indoor/outdoor conditions.

Libraries

ODAS

LibreSpeaker

Hardware

ReSpeaker 6-mic Circular Array Kit

Raspberry Pi

Techniques

DoA

Sound source separation

Environment Noise Suppression

Embedded AI

KWS



LTS GenAI Chatbot

Your AI-Powered Document Assistant

Quick Deployment • Easy Integration • Immediate Value

Powered By
LTS Group

Built End-to-End with
AWS

Document Management Challenges are Limiting Organizational Efficiency

As organizations manage growing volumes of documents and policies, teams struggle with accessibility, consistency, and rapid response times - impacting both employee productivity and satisfaction.



Time-to-Information is Too Long

Employees spend hours searching through documents and waiting for responses, leading to delayed decisions and reduced productivity.



Support Teams are Overwhelmed

Support teams are inundated with repetitive queries and manual requests, leaving them with less time for complex issues and strategic support.



Inconsistent Information Access

Organizations of all sizes face inconsistent information delivery across departments, leading to operational inefficiencies and compliance risks.

Intuitive & User-friendly Interface

The screenshot displays a user interface for an AI assistant. On the left, a sidebar contains navigation icons for Search, Docs, Analytics, and Settings. The main area features a search bar at the top, followed by tabs for 'Uploaded' and 'Recent' documents. A list of documents is shown, including 'HR_Policy_2024.pdf', 'Remote_Work_Guidelines.docx', and 'Security_Protocols.pdf'. The central chat window shows a conversation where the user asks, 'What is our policy on remote work?'. The AI assistant responds with a greeting and provides key points from the latest HR policy document (updated March 2024):

1. Employees can work remotely up to 2 days per week
2. Core hours are 9 AM - 5 PM local time
3. Remote work arrangements must be approved by direct managers
4. Employees must maintain a secure home office setup

The assistant also offers to provide more specific details and lists sources for the information: 'HR_Policy_2024.pdf Page 12' (92% match) and 'Remote_Work_Guidelines.docx Page 3' (87% match). A 'Document Context' panel on the right shows the current document being viewed and provides quick links for 'Table of Contents' and 'Search in Document'. At the bottom, there is an 'Upload' button and a text input field for asking questions.

🗨️ Natural conversation with context-aware responses

🔍 Instant document search and citation

Easy Document Management

The screenshot shows a 'Knowledge Base' interface. On the left, a sidebar with navigation icons (Search, Docs, Analytics, Settings) is visible. The main area features a search bar and a 'Filters' dropdown. A 'CATEGORIES' sidebar lists 'All Documents' (35), 'HR Policies' (12), 'Guidelines' (8), and 'Procedures' (15). The main content area displays a grid of document cards, each with a title, category, date, size, and format. Examples include:

- Employee Handbook 2024** (HR Policies, Oct 15, 2024, 2.4 MB, PDF)
- Remote Work Guidelines** (Guidelines, Nov 5, 2024, 1.8 MB, DOCX)
- Security Protocol v3** (Procedures, July 9, 2024, 3.2 MB, PDF)
- New Hire Onboarding Process** (HR Policies, Sep 30, 2024, 1.5 MB, PDF)
- IT Equipment Request Form** (Procedures, Nov 11, 2020, 0.5 MB, DOCX)
- Travel Expense Policy 2024** (HR Policies, Jan 10, 2024, 1.1 MB, PDF)
- Code of Conduct 2024** (HR Policies, Jan 10, 2024, 4.2 MB, PDF)
- Project Management Framework** (Guidelines, Oct 25, 2022, 2.8 MB, PDF)
- Data Privacy Guidelines** (Guidelines, Aug 1, 2024, 1.7 MB, PDF)
- Emergency Response Plan** (Procedures, Oct 12, 2023, 2.1 MB, PDF)
- Performance Review Template** (HR Policies, July 15, 2024, 0.8 MB, DOCX)
- Office Safety Guidelines** (Guidelines, Jun 30, 2024, 1.3 MB, PDF)

An 'Upload' button is located in the top right corner.

📁 Organized document categories and tags

🔒 Secure document access controls

Active Users

245

↑ +12% from last month



Documents Processed

1,432

↑ +23% from last month



Avg Response Time

1.2s

↓ -8% from last month



Success Rate

94.8%

↑ +2% from last month



Top Queries

1	Remote work policy HR	156 queries
2	Expense claims process Finance	142 queries
3	IT security guidelines IT	128 queries
4	Employee benefits HR	115 queries
5	Leave application HR	98 queries

Document Activity

	Employee Handbook 2024 👤 245 views 🗨️ 189 queries
	Remote Work Guidelines 👤 198 views 🗨️ 156 queries
	IT Security Protocol 👤 167 views 🗨️ 134 queries
	Travel Policy 👤 145 views 🗨️ 98 queries
	Benefits Overview 👤 134 views 🗨️ 87 queries

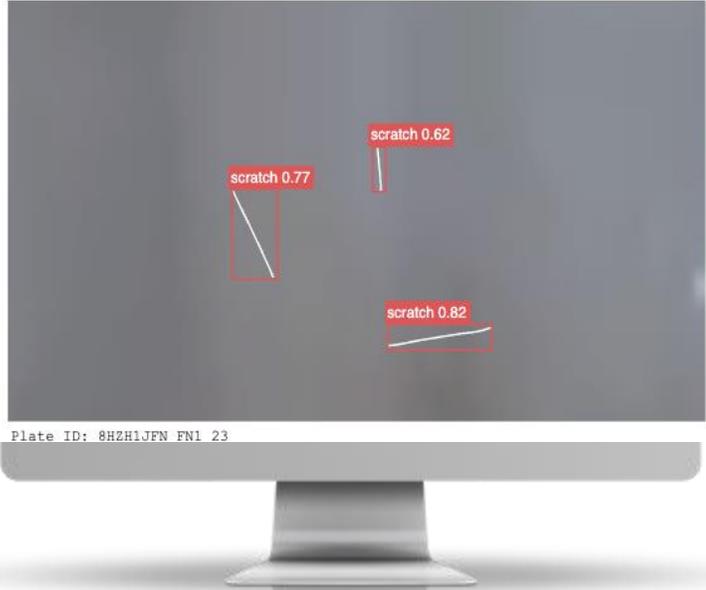
Monitoring Dashboard

Automated Scratch Detection Quality Control System on Steel Plates

Overview

A global steel producer experiences frequent quality assurance failures because human inspectors often miss microscopic scratches on steel plates. The company needs a high-accuracy deep learning model that detects surface defects immediately. The main goal is to eliminate misclassifications, accelerate inspections, and reduce production costs.

- Country: Vietnam
- Domain: Manufacturing
- AI expertise: Computer Vision, Automation

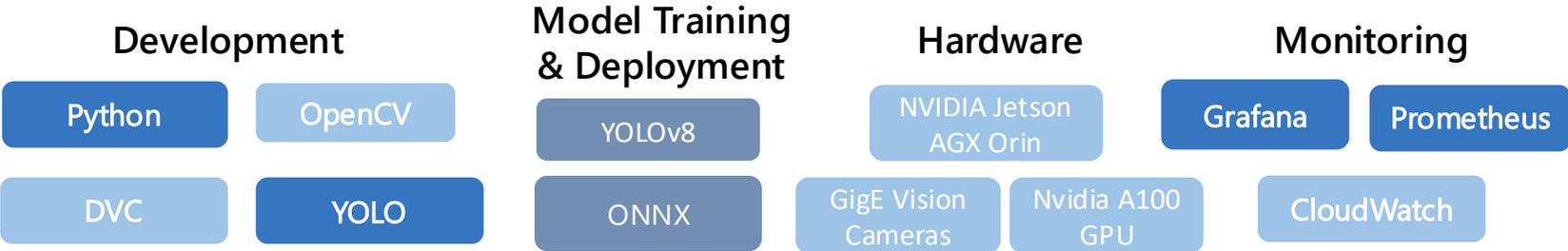


Scope of Work

- Use GigE Vision Cameras with NAS and a 10 Gbps network for real-time image storage.
- Annotate scratch defects with CVAT and manage datasets using DVC + Git for version control.
- Train with YOLOv8 on PyTorch, and export in ONNX format for deployment. Train on NVIDIA A100 GPUs and validate on Jetson AGX Orin for edge deployment.
- Automate retraining with Jenkins and Docker, incorporating low-confidence predictions.
- Deploy the model on Jetson AGX Orin and integrate with factory SCADA systems for defect reporting.

AI Solution

- High-Performance Model Training: Using YOLOv8 with PyTorch, optimized for scratch detection on steel plates
- Automated Dataset Management: Integrated with DVC and Git for dataset versioning and traceability.
- Continuous Retraining Pipeline: Automated pipeline for retraining and model versioning.
- Edge Deployment Ready: Model packaged and optimized for NVIDIA Jetson AGX Orin for real-time inference on production lines.

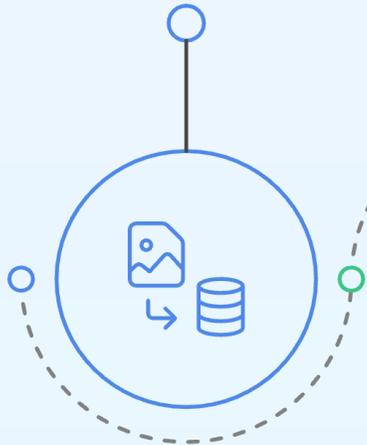


Note: As for privacy, all data shown is for demonstration purposes only

Project Lifecycle

Data Preprocessing

Cleaning and transforming raw images for feature enhancement (CLAHE, noise reduction, augmentation).



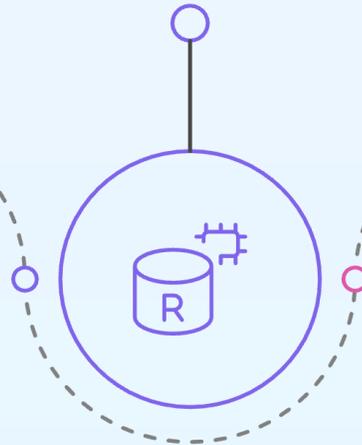
Model Evaluation

Validating model performance using mAP, Precision, Recall, and F1 score on the test dataset.



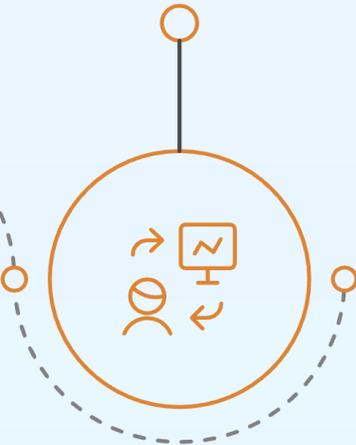
Model Registration

Versioning and storing the ONNX model in a central model registry for deployment readiness.



Feedback Loop & Retraining

Capturing low-confidence predictions and integrating new data for periodic retraining.



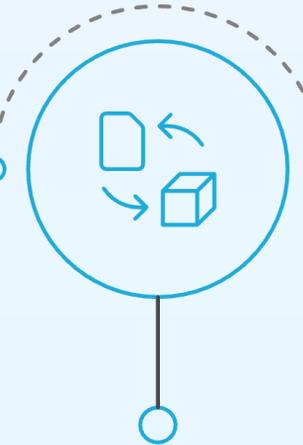
Model Training

Training YOLOv8 model using PyTorch with optimized hyperparameters on NVIDIA A100 GPUs.



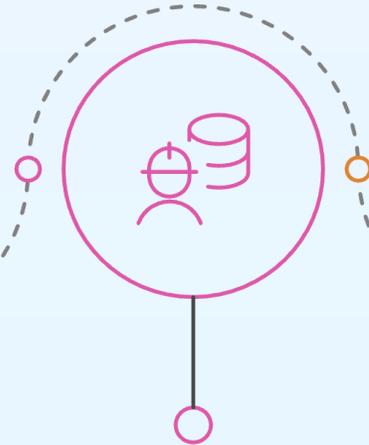
Export to ONNX

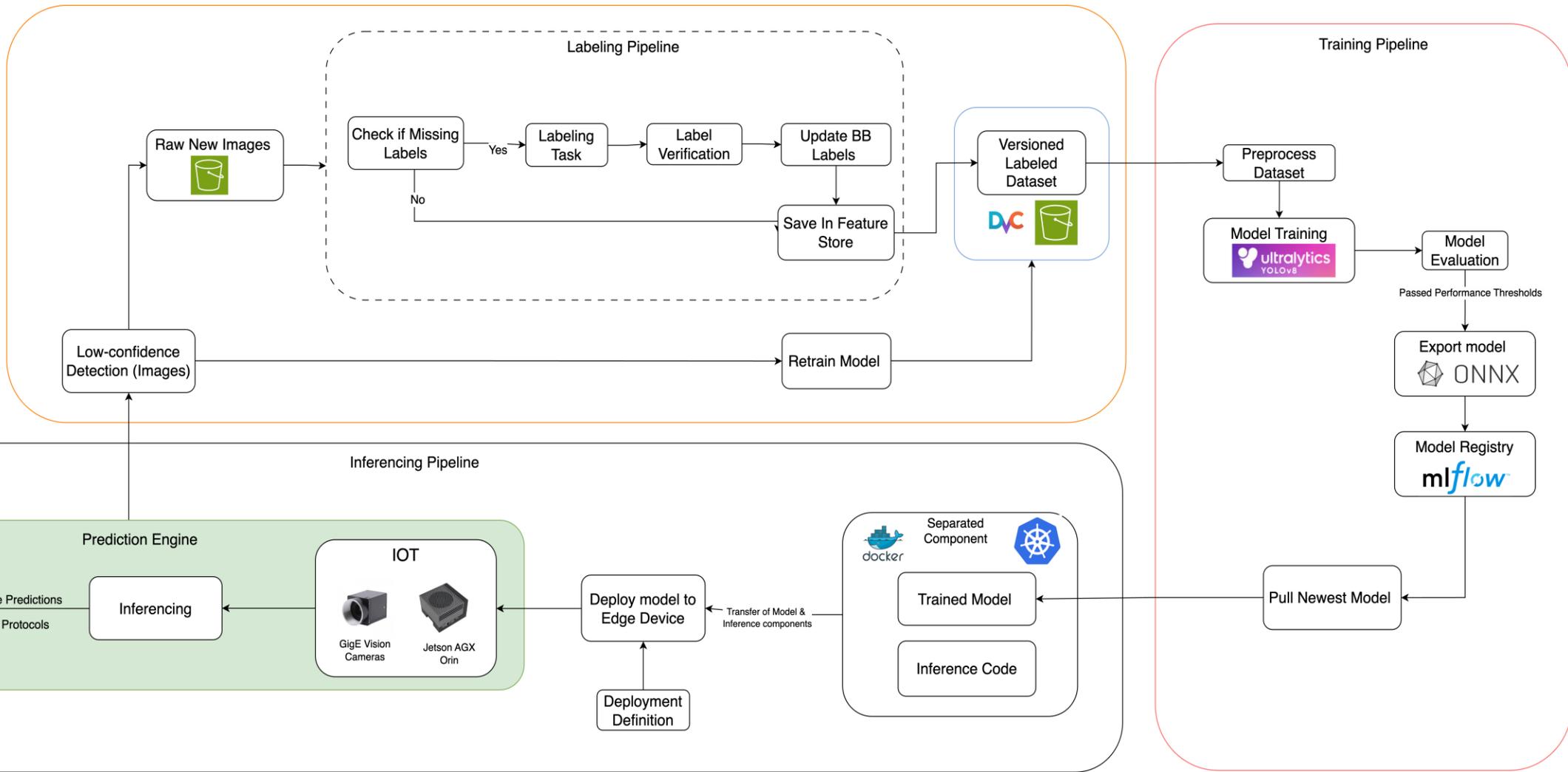
Converting the trained model to ONNX format for edge deployment and performance optimization.



Model Deployment

Deploying the model to NVIDIA Jetson AGX Orin for real-time inference on the factory floor.





System Architecture

Virtual Assistant Digital Signage

Overview

LTS Group developed an innovative Virtual Assistant Digital Signage system designed as an interactive information display for public spaces (education settings). The digital assistant operates as a standalone information kiosk that can help visitors navigate facilities, answer common questions, and provide relevant information without human staff intervention.

- Country: Hong Kong
- Domain: Education
- AI expertise: Speech-to-text, LLM, Text-to-Speech

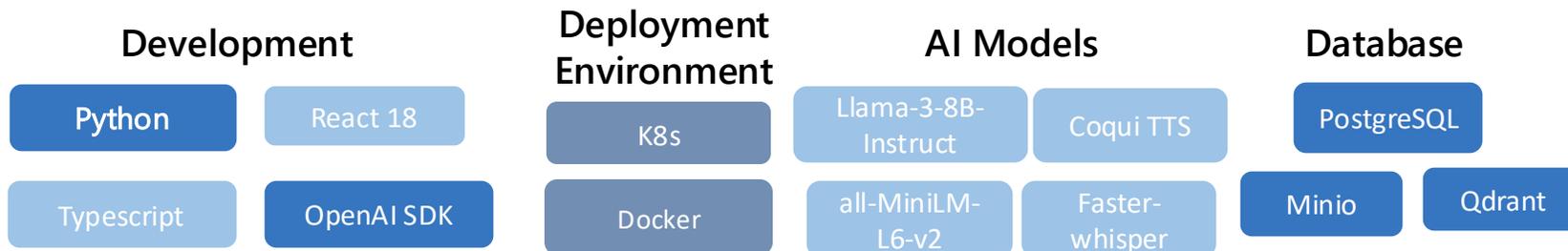


Key Challenges

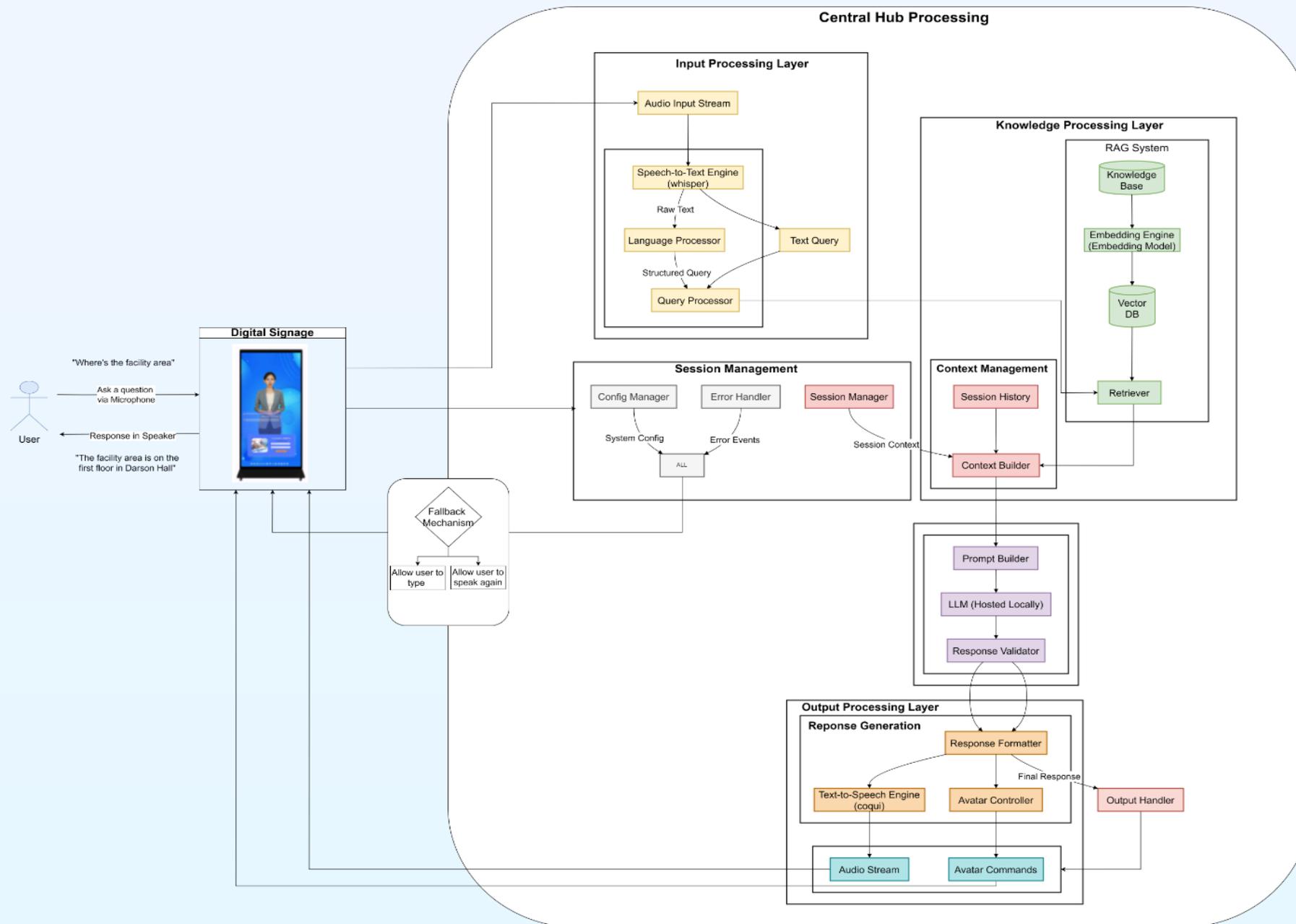
The project faced key challenges, including multilingual language understanding for accurate responses across three languages ((English, Mandarin Chinese, and Cantonese), real-time speech processing with minimal latency, and seamless avatar animation synchronization. Additionally, it required an easy-to-update knowledge base, efficient hardware optimization, and seamless session management for smooth user interactions.

Scope of Work

- Core System Development: Implemented AI models (Llama-3-8B-Instruct, Faster-Whisper, Coqui TTS), built a frontend with avatar animation, developed a backend for session management, and designed a document processing pipeline for knowledge management.
- Conducted comprehensive testing, optimized performance, ensured stability, supported system deployment to be suitable in education settings
- Project Management: Managed requirements, maintained clear communication, documented processes, and handled risk management throughout development.



Note: As for privacy, all data shown is for demonstration purposes only



System Architecture for Interview Analysis

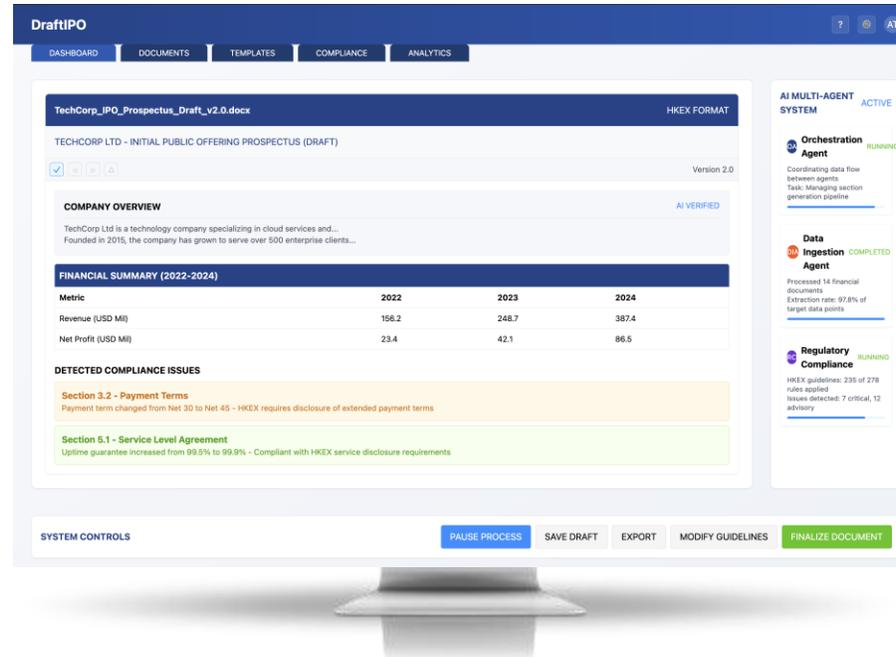


DraftIPO - Multi-agent System for Contract Drafting

Overview

LTS Group partnered with a Hong Kong Investment Firm to develop an AI-powered solution to streamline the complex and time-consuming process of drafting Initial Public Offering (IPO) documents for companies planning to list on major exchanges such as HKEX and Nasdaq.

- Country: HongKong
- Domain: Investment Banking
- AI expertise: Multi-agent Systems



Key Challenges

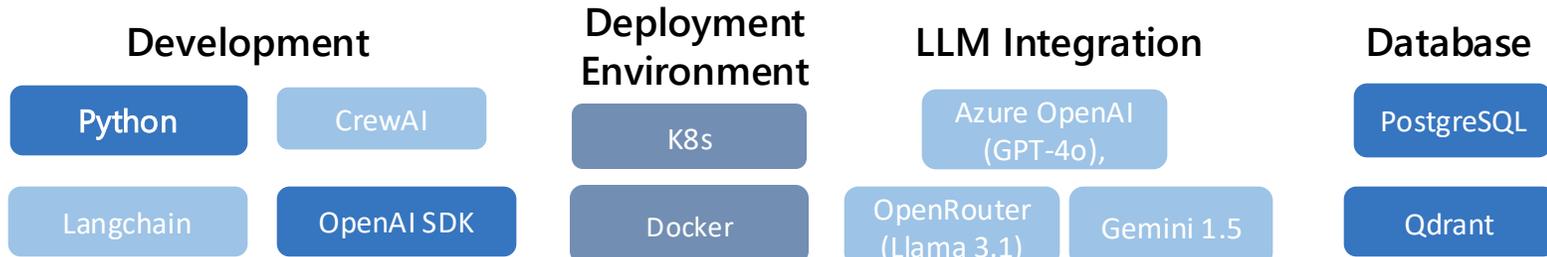
Creating IPO documentation is a complex and time-intensive process, traditionally requiring hundreds of hours from legal and financial experts. Key challenges include ensuring regulatory compliance (HKEX/Nasdaq), managing bilingual content, processing large volumes of financial data, and maintaining consistency across document versions.

Scope of Work

DraftIPO, developed by LTS Group, is a multi-agent AI system that automates the complex and time-consuming process of IPO documentation.

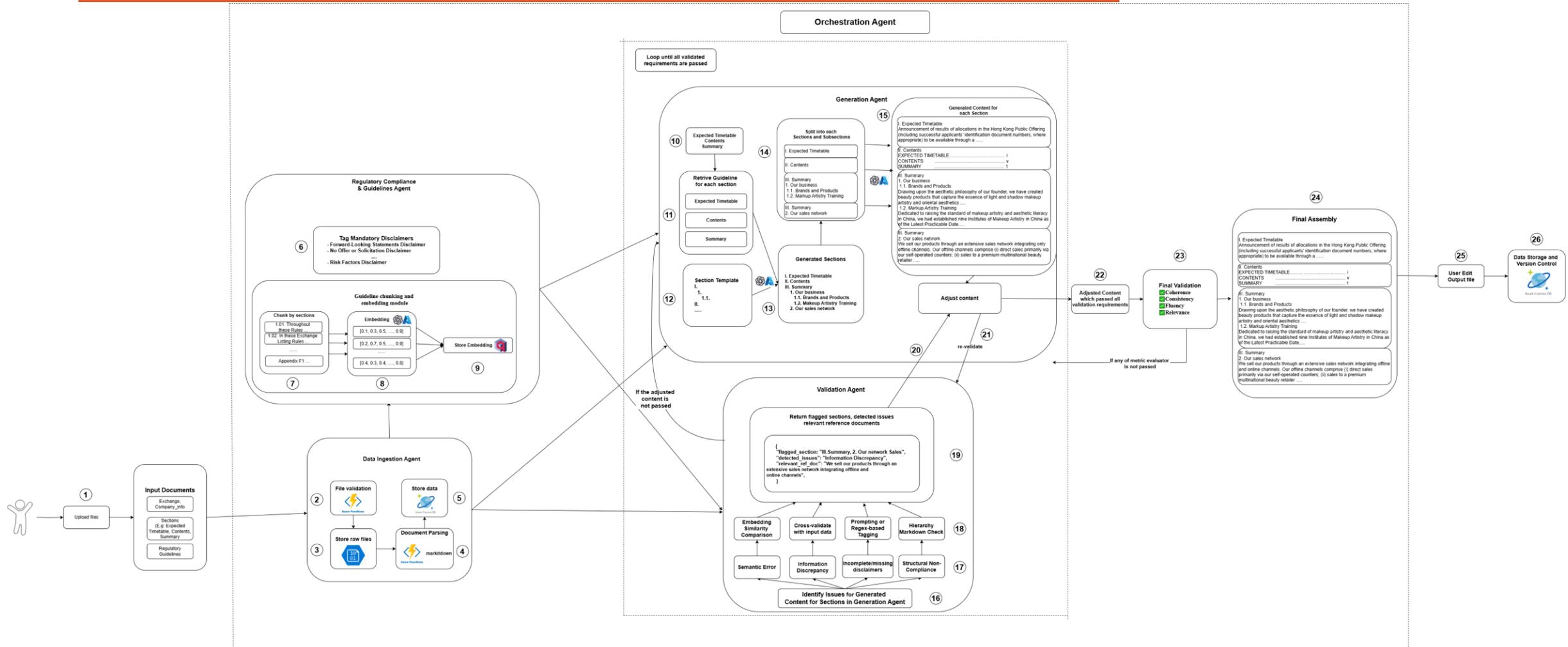
DraftIPO employs five specialized AI agents working in concert:

- Orchestration Agent: Coordinates workflow and manages the overall document generation process
- Data Ingestion Agent: Processes and normalizes input documents (financial reports, corporate information)
- Regulatory Compliance Agent: Ensures adherence to exchange-specific requirements
- Generation Agent: Creates coherent, compliant document sections based on inputs
- Validation Agent: Performs final quality and compliance checks



Note: As for privacy, data shown is for demonstration purposes only

3. Architecture Diagram



System Architecture Diagram
High resolution



R&D

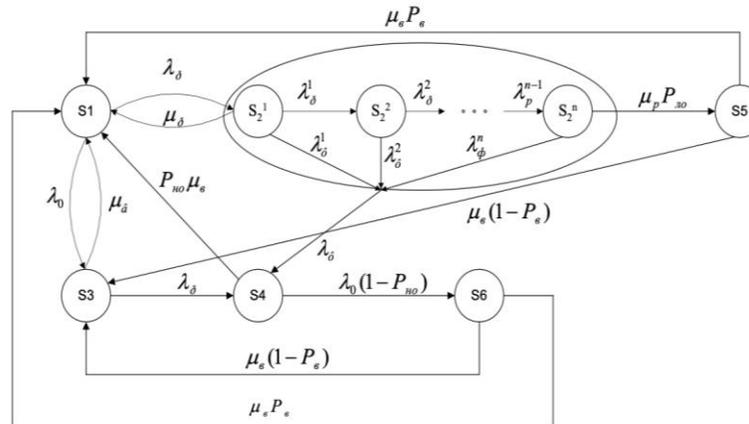
Synthesis of Functional Control Points for a Neuroprocessor-Based Automatic Control System

Research Overview

Modern **neuroprocessor systems (NPS)** are increasingly used in advanced control applications—ranging from complex industrial processes to mobile robots. To ensure **fault tolerance** and **high reliability**, these systems require built-in control and diagnostic methods. This case study outlines the development of:

- A **control machine** that integrates **functional control points (FCPs)** for the NPS.
- **Mathematical models** that describe the interaction between a **neuroprocessor system** and an **automatic control (AC)** machine.
- **Algorithms** for real-time fault detection, partitioning, and recovery within a **neuroprocessor network** controlling a mobile robot.

-> *The overall goal is to maintain **continuous operation** under various failure flows, ensuring reliability even in challenging conditions.*



Enhanced Reliability

- Reduced downtime
- Proactive maintenance
- Swift recovery from failures

Practical Applications

- Mobile robotics
- Industrial control
- Research systems

Background & Challenges

2.1 Neuroprocessor Systems (NPS)

- **Hardware Reconfigurable:** NPS often have adaptive hardware architectures targeting specific classes of tasks.
- **Reliability Focus:** Ensuring high fault tolerance is essential, as failures can disrupt mission-critical operations (e.g., mobile robots).

2.2 Automatic Control Devices (AC)

- **Operating Multiprocessor Systems (MPS):** Includes NPS and supporting controllers to reduce troubleshooting time and process diagnostic information rapidly.
- **Key Objectives:**
 1. High-Speed Diagnostic Processing
 2. Fault Tolerance via Real-Time Monitoring
 3. Efficient System Recovery from failures

2.3 Integrated Challenge

- **Need for a Unified Model:** Combine NPS with an AC machine that manages diagnostic inputs and orchestrates reconfiguration or recovery.
- **Ensuring Testability:** Design algorithms and functional control points so that both hardware and software can be tested and monitored in real time.

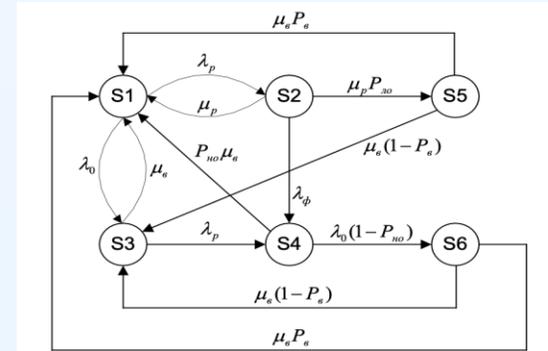
Methodology & Technical Approach

Synthesis of Functional Control Points

- The system employs **functional control points (FCPs)**, which act as **information inputs** for a **control machine**.
- **Partitioning Algorithms** (half partitioning, majority, majority-dynamic) split the NPS into fragments, enabling targeted monitoring and control at each segment.

Markov Models

- **State Graphs:** Each state (S1, S2, S3, S4, etc.) represents a specific condition (e.g., operating vs. faulty, standby vs. active).
- **Transitions:** Defined by intensities such as failure rates (λ) and recovery rates (μ).
- **System Availability:** A **Laplace or Laplace-Stieltjes transform** is used to calculate transition probabilities and derive the availability coefficient.
- **Extended Models:** Real-world scenarios add extra states (e.g., S5, S6) to capture partial or conditional failures and rejections by the AC machine.

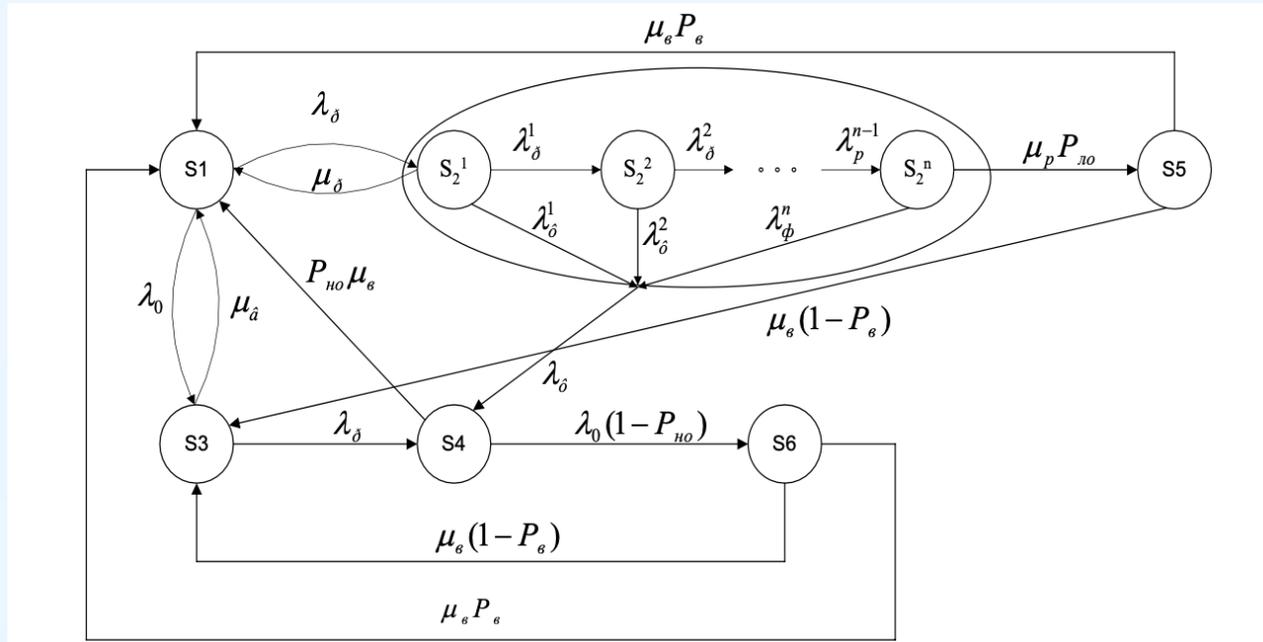


Synthesis of a mathematical model of reliability "neuroprocessor system - automatic control" with failure flow

Algorithms for Automatic Control

- **Real-Time Monitoring:** Continuous evaluation of each fragment of the NPS ensures immediate detection of anomalies.
- **Dynamic Reconfiguration:** On detecting a potential failure, the system can isolate faulty segments or switch to redundant paths.
- **Integrated Diagnostics:** A specialized analog-to-digital converter of the "neural network" type processes both digital and analog signals, unifying the diagnostic approach.

Implementations



Development of a mathematical model of reliability
 "automatic control - neuroprocessor control
 system"

Implementation in a Mobile Robot Control System

1. Built-In Monitoring Hardware & Software:

- Embedded sensors and FCPs track performance metrics.
- The system halts or re-routes signals in real time upon anomaly detection.

2. Neuroprocessor Configuration:

- The NPS is designed with a reconfigurable architecture to solve motion control and object detection tasks.
- Partitioning algorithms (e.g., majority-dynamic partitioning) enhance testability by isolating problem areas.

3. Automatic Control Integration:

- The AC machine employs the Markov-based reliability model to assess each subsystem's state.
- In standby or operational modes, failure flows are monitored, and if the main path fails, **backup** resources engage seamlessly.



GET IN TOUCH WITH US!

BUILDING ADDRESS

Vietnam: 17th floor, MD Complex Tower, 68 Nguyen Co Thach, Ha Noi

Japan: 2F, Industry & Trade Center, 2 Yamashita, Naka Ward, Yokohama, Kanagawa 231-0023, Japan

United States: 25787 Rawley Springs Dr, Chantilly, VA, 20152 - 5744, United States

South Korea: 12th floor of Hyeonik Building, 146, Teheran-ro, Gangnam-gu, Seoul, Korea

EMAIL

contact@ltsgroup.tech

WEBSITE

www.ltsgroup.tech

TELEPHONE

(+84) 24-6660-7474



Appendix

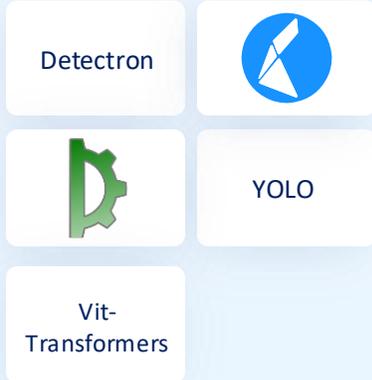


Tech Stack

Framework & Libraries



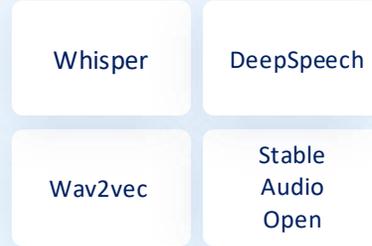
Computer Vision



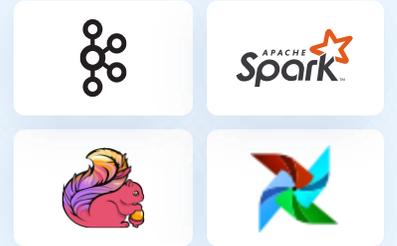
NLP



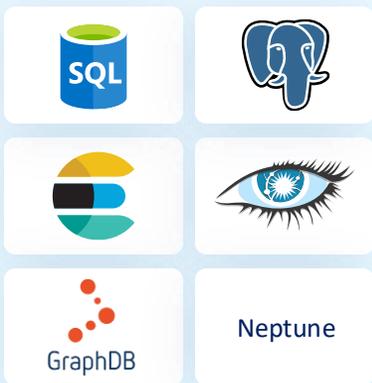
Speech



Business Intelligence



Database



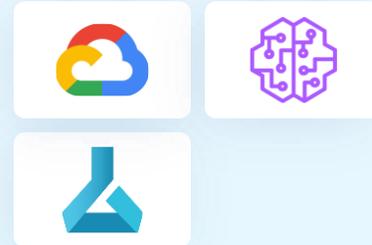
MLOps



Toolkits



Cloud Platforms



Annotation For Forklift & Human In Industrial Zones

Overview

Our client is a crowdsourcing company from South Korea. They wanted to find an outsourced vendor to annotate forklifts & humans in industrial zones.

- **Country:** Vietnam
- **Domain:** Services



Members



Objects



Features



Project Detail

- **Class to annotate:** Forklift and human in industrial zones
- **Type:** Bounding box

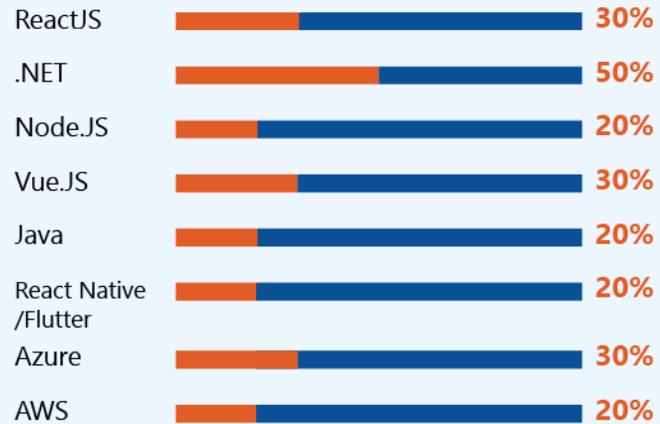
Tech Stack

LabelImg

Excel

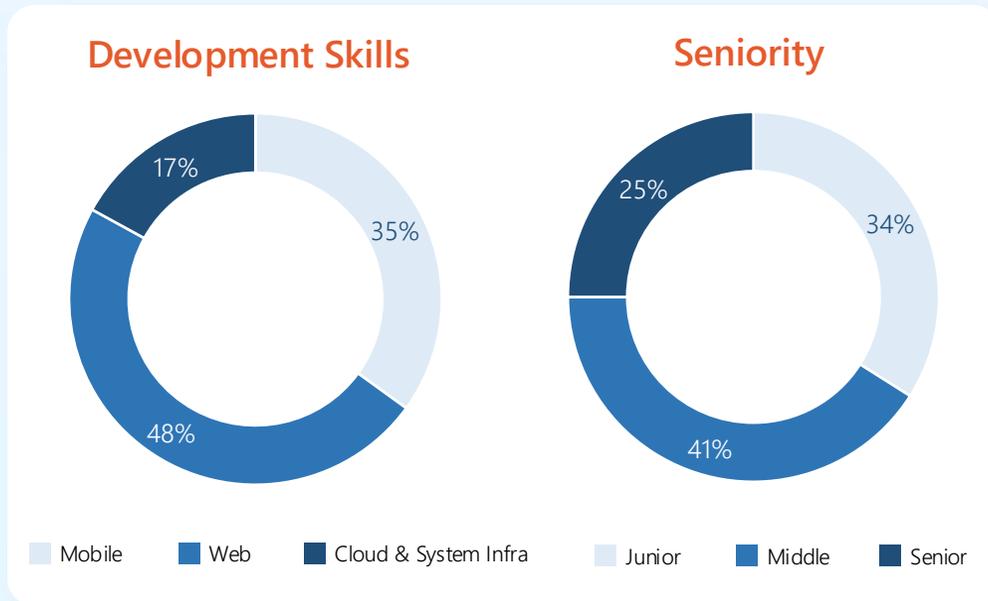
Slack

Our Human Resources



Language Ability

We obtain high level of language proficiency for effective communication with our clients.



Professional Certificate

Our staff can meet the international standards of both management and technical skills.



Our Achievements

We are dedicated to constantly improving our competencies through the achievements and certificates in multiple fields. With solid figures proving our experience, you are well-assured of high-quality services and products.



97%

Satisfaction

275

Projects

10

Countries

61+

Clients

Security & Compliance



Physical Security Layers

- CCTV system with modern surveillance cameras is set up within office areas.
- Safe Guards: Separate office zones with high security are a.
- Fingerprint: Biometric scanners are at entrances to allow access to facilities.
- ODC: We set up private centers with highly secured layers as required.



Legal Confidentiality

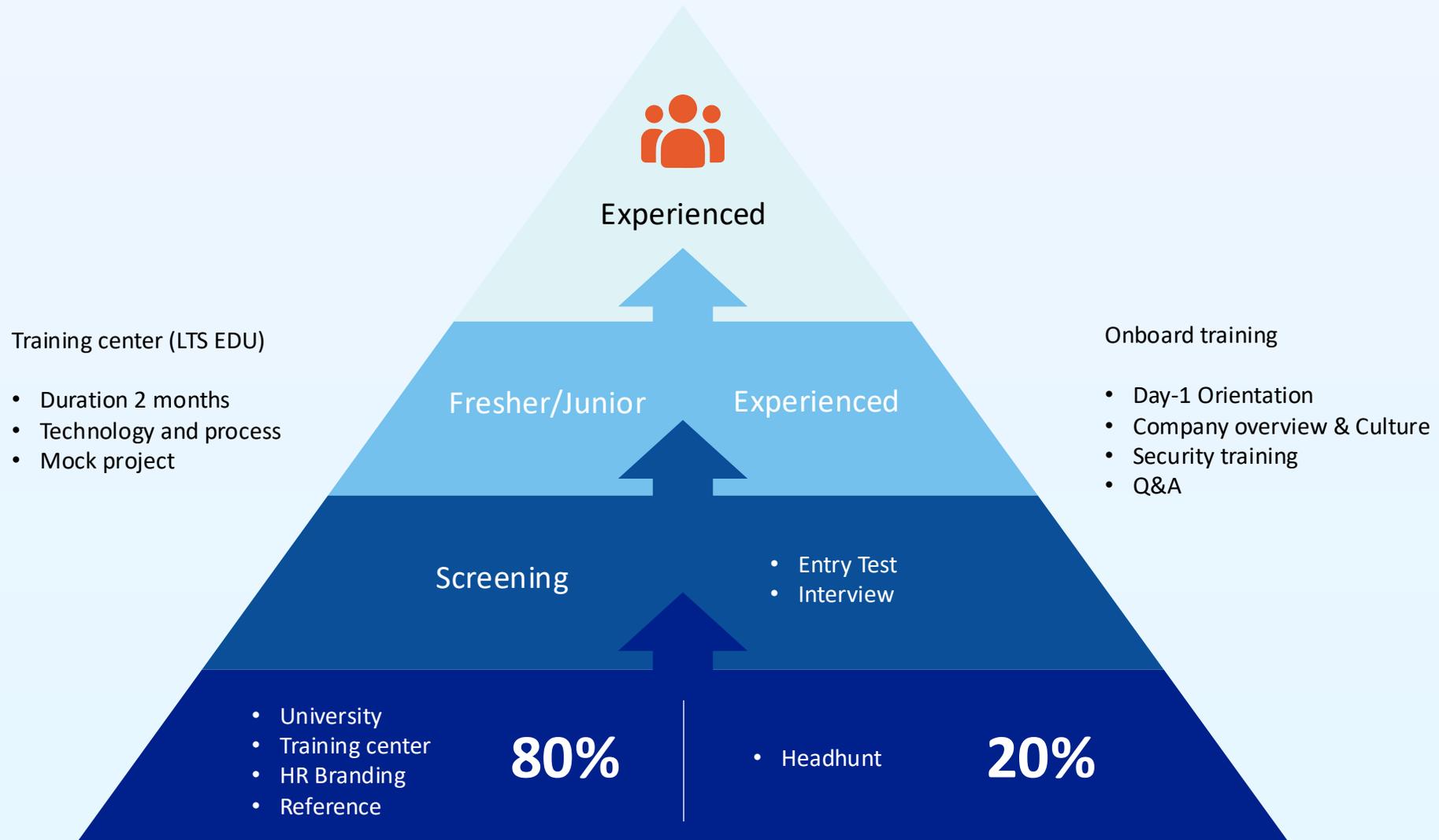
- NDA is signed between two parties of LTS Group and the client, clearly stating the terms concerning the security matter and confidentiality.
- Staff Confidentiality: Employees are trained with security policies to know the dos and don'ts. We also have an ISMS team for this.



Network Security

- VPN: We set up a Virtual Private Network for a private & protected network connection when communicating with clients.
- Data Leak Prevention: An internal system of data management and authorization is set up to prevent data leakage.
- Continuous monitoring from developer team and QA team detect risk issues.

LTS Recruitment Process



Onboarding Timeline

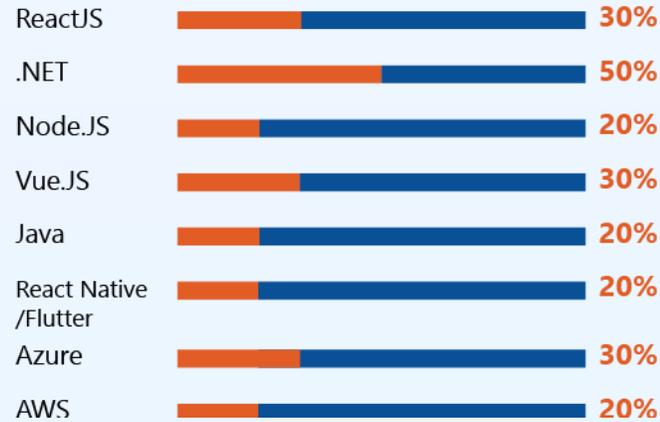


- Client feedback for CVs within 2 working days
- Passed rate: 80-90%

- Interview within 1 weeks
- Onboard within 2 weeks after confirm result
- Passed rate: 60-70%



Our Human Resources



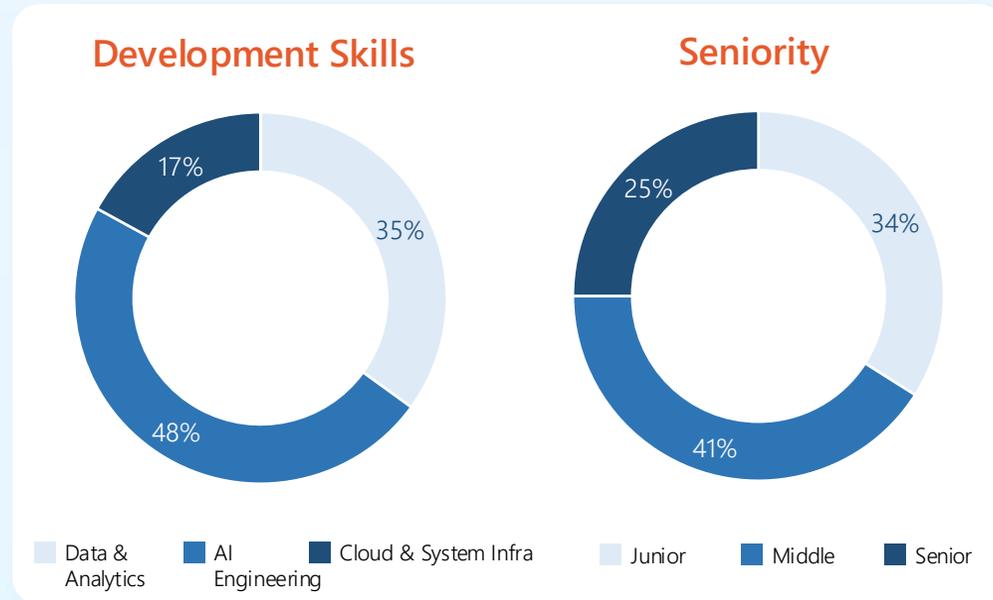
All AI/Data Engineers/Developers are experienced in Python.

Language Ability

We obtain high level of language proficiency for effective communication with our clients.



A number of Employees are trilingual



Professional Certificate

Our staff can meet the international standards of both management and technical skills.



Onboard Process

