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INTRODUCE

AI & Cloud Strategy Architect & Technology Leader | LLM · GenAI · MLOps · HPC Infrastructure | Enterprise & Financial AI Programs

With over 16 years of development experience and senior platform architecture leadership, I have defined cloud-based AI/ML architectures (AIaaS) and MLOps operating models while setting organization-level technology transition directions.

Beyond technical execution, I focus on aligning cloud and AI initiatives with digital transformation strategies and ensuring architectural coherence at scale.

Across finance, telecommunications, manufacturing, and public sectors, I have established AI service roadmaps and cloud architecture standards, shaping structures that span the full service lifecycle—from planning and architecture to operations.

I have led initiatives requiring strategic technical judgment, including large-scale Generative AI (LLM) training environments, data lake architectures, and enterprise MLOps evolution, balancing both technical and operational considerations.

At AWS, I worked with enterprise clients such as Samsung Electronics to define cloud operating strategies, security governance frameworks, and service complexity-reduction roadmaps. From a FinOps perspective, I analyzed organization-wide cost structures and established operating principles that balanced efficiency with stability.

I have strengthened service operating models and quality and issue-management processes, aligning mid- to long-term objectives and facilitating stakeholder consensus to secure execution discipline.

By connecting technology decisions with business strategy, I have established architectural foundations that support scalable and stable AI- and cloud-based services across the organization.

SKILLS ?

Leadership & Program Governance

- 3 Stakeholder Management
- 3 Enterprise Architecture Governance
- 3 Cross-Functional Team Leadership
- 3 Program & Delivery Governance
- 2 Technical Strategy & Documentation

AI & Accelerated Computing

- 3 LLM & Generative AI
- 3 AlaaS & Enterprise MLOps
- 3 Accelerated Computing (GPU/HPC)
- 3 Model Serving & AI Platforms
- 3 AI Platform Strategy

Cloud & Enterprise Architecture

- 3 AWS, Azure, GCP
- 3 Migration & Modernization
- 2 Cloud Governance & Security
- 3 Cost Optimization & FinOps
- 3 Hybrid & Multi-Cloud Architecture

Automation & Monitoring

- 3 Containers & Service Mesh
- 3 Operational Governance
- 2 CI/CD & GitOps
- 3 Infrastructure as Code
- 3 Observability & Reliability Engineering

EXPERIENCE 총 19년 3개월

2022. 12 ~ 2025. 06

2년 7개월

Amazon Web Service(AWS)

Technical Account Manager

Samsung Gaming Hub(MX)

- Led cloud operations for Galaxy Gaming Hub, establishing performance-based operating standards and refining proactive detection mechanisms to control service interruption risk

- Aligned technical direction for strategic initiatives and long-term programs through stakeholder engagement across engineering teams and executive leadership
- Standardized monitoring and incident response frameworks, institutionalizing proactive response models and improving availability and user experience metrics
- Defined and executed a service stabilization roadmap, expanded automation scope, reduced incident response lead time by 30%, and structured cross-functional operating processes across a 10-member internal and external team

Samsung Big Data Center(DX)

- Led operations of a 30PB-scale Galaxy user log platform, defining stability and scalability standards for enterprise data collection and analytics
- Formalized operating models for the enterprise customer data warehouse and analytics systems, establishing DR strategy and incident response standards to ensure service continuity
- Re-architected data processing and analytics structures, reducing operational complexity and improving key performance metrics
- Defined a data governance and DR advancement roadmap, driving phased architecture standardization, achieving 8% annual cost reduction and 15% improvement in resource efficiency

Samsung Research(SR)

- Defined DR strategy for a 42,000 RPS, 4PB-scale DWH and analytics platform, aligning transition direction toward a Lambda/ECS-based architecture
- Architected multi-GPU HPC infrastructure for Bixby LLM training, establishing performance benchmarks and leading EFA-based validation initiatives
- Formalized integrated operating models for GenAI drift detection, retraining, and DevOps alignment, reducing system downtime by 10%
- Established AI infrastructure modernization strategy and phased migration roadmap, improving LLM training efficiency by 20% and institutionalizing HPC operational standards

Samsung Digital Appliance(DA)

- Established cloud security governance policies and refined control standards, contributing to a 10% reduction in security incidents
- Defined technology adoption strategy for new cloud capabilities, achieving a 10% reduction in service operating costs and improved scalability
- Formalized architecture standardization and documentation frameworks, enhancing reusability and operational efficiency
- Developed security and cost-optimization roadmaps, driving cross-functional alignment, resulting in a 5% annual OPEX reduction and 30% improvement in new project response time

ETC

- [Delivered the “SageMaker Fine-Tuning with Experiments” seminar for Samsung Electronics, presenting architectural approaches for scalable model experimentation](#)
- [Presented “Fine-Tuning & Evaluation of Foundation Models on SageMaker” to enterprise audiences, outlining adoption strategies and operational best practices](#)
- [Contributed to the internal “Generative AI Bootcamp – SageMaker JumpStart,” co-designing curriculum and enabling organizational capability development](#)
- [Led the “Generative AI Bootcamp – RAG Essentials: Bedrock & Q in Action” session, outlining RAG architecture patterns and enterprise application models](#)
- [Facilitated enterprise Generative AI workshops, providing PoC architecture frameworks and inference design guidance](#)
- Architected an automated cost analytics solution, establishing billing analysis standards and cost optimization baselines for Samsung
- Organized internal AI/ML knowledge sessions, aligning technical standards and strengthening cross-team capability
- Delivered customer-focused GenAI/ML sessions (SageMaker, Model Serving, MLOps), defining PoC architecture direction and operational considerations
- Drove cost-optimization and service simplification architecture initiatives, restructuring operational models to improve efficiency

- Led service risk reviews and DR strategy alignment in collaboration with global leadership, reinforcing proactive risk governance

• Skill Keywords

AWS Architecture & Governance Generative AI & LLM Platforms AI/ML Solution Architecture Enterprise MLOps & LLMOps Cloud Cost Optimization (FinOps)
 Hybrid & Multi-Cloud Infrastructure Accelerated Computing & GPU Clusters (HPC) Big Data & Analytics Platforms Infrastructure as Code (Terraform, CDK)
 DevOps Automation & Observability Cross-Functional Leadership & Stakeholder Alignment

2019. 12 ~ 2022. 11

3년 0개월

KB Kookmin Bank

Finance AI Center(Manager)

Enterprise-Wide AI Financial Assistant (AICC) MLOps Initiative at KB Financial Group

- Led the group-wide KB Financial AICC MLOps initiative, designing an AWS-based service mesh architecture (EKS, Istio) with integrated traffic control and monitoring frameworks
- Built a deep learning model serving and version management system using Ray Serve and BentoML, automating accuracy, reliability, and performance validation with optimized inference testing
- Conducted stability verification and performance analysis of the model serving framework (Performance Analyzer), and participated in vendor technical evaluations and selection processes
- Optimized the KB-STAR NLP models (NER, morphological analysis, intent classification) and improved the callbot serving architecture, achieving a 30% increase in inference performance and enhanced operational stability
- Established AI assistant service advancement strategy and standardized operational frameworks, strengthening AICC platform scalability and overall service quality
- ["은행원 대신 가상인간" 국민은행의 AI 금융비서 실현](#)
- ["내 손안의 금융비서" KB국민은행, 모바일 특화 AI 고도화](#)
- [KB국민은행 한글 자연어 학습 모델 'KB ALBERT' 개발 및 내재화 추진](#)

KB Financial Group - AI Voicebot Deployment & Strategy Support (TF)

- Participated in the KB Financial Group-wide AI Callbot adoption TF, defining technical strategy and phased implementation roadmap
- Conducted comparative evaluation of chatbot solutions and assessed AI startup collaboration opportunities, contributing to proposal reviews and vendor selection decisions
- Reviewed hybrid cloud-based AICC architecture, incorporating network segregation requirements and defining security and operational efficiency standards
- Led the drafting of the AI Callbot RFP (Requirements Definition Document), overseeing technical evaluations across architecture, security, capacity planning, redundancy, and DR design
- Identified and evaluated generative AI technology partners, supporting in-house AI Callbot development strategy formulation and execution across KB Financial Group
- [KB국민은행, 고령층 고객을 위한 '콜봇 서비스' 지원](#)
- [AI은행원 고객 접점 늘린다..KB국민은행, 콜봇 서비스 '뚝뚝' 전진 배치](#)

KB Kookmin Bank – Metaverse Banking Testbed Strategy & Architecture

- Led the planning and development of the KB Financial Metaverse Testbed, designing virtual banking integration scenarios and preparing documentation for financial security and compliance reviews
- Led regulatory response and technical feasibility assessments with the Financial Supervisory Service, supporting policy coordination for new technology adoption
- Designed and developed a real-time user log analysis and storage backend using AWS, Ray, Lambda, and Kubernetes
- Built user behavior-based data pipelines and visualization dashboards (connection rate, event utilization, engagement metrics), contributing to validation and strategic planning of KB's Metaverse financial channel
- [KB국민은행, 로블록스\(Roblox\)로 '메타버스 금융' 시도](#)
- [KB국민은행, 메타버스·디지털자산·금융 접점 찾는다](#)
- [KB의 새 메타버스 실현...“현장감 살린 영업점포 구현 중”](#)

Browser-Based Video Consultation Platform Development

- Led the planning and development of a browser-based video consultation POC to enhance remote customer service channels, designing a lightweight architecture using AWS Chime, WebRTC, Docker, and TypeScript
- Integrated AI video processing models based on MSCOCO and BodyPix, utilizing Tensor.js for real-time background removal and rendering optimization
- Established CI/CD pipelines (CodeDeploy, Jenkins), monitoring systems (Grafana, Prometheus), and log collection environments (EFK), defining an automated operations and quality monitoring framework
- Conducted user testing across employees and branch offices and prepared system enhancement reports, achieving a 25% reduction in remote consultation waiting time and improving accessibility
- ["어디서든 비대면으로" KB국민은행 "모바일 화상상담 서비스" 확대](#)

KB Kookmin Bank – Corporate Credit Evaluation Automation (Antoc POC)

- Led the planning and development of a corporate credit evaluation automation crawler POC, implementing Python-based modules to collect corporate, credit, patent, and technology data
- Designed Spring Boot-based batch processing for data storage and periodic updates and integrated REST APIs with the Android frontend
- Architected the loan evaluation automation process and validated data pipelines, proposing workflow optimization and next-generation system architecture
- Reduced branch operational workload by enabling over 1,000 annual task reductions and established the technical validation foundation for transitioning to an AI-driven credit evaluation system

KB Kookmin Bank – Remote Account Opening Platform (Mobile Branch)

- Contributed to the Mobile Branch initiative for non-face-to-face financial services, collaborating on the architecture of deposit and savings account issuance systems based on the IB Framework
- Led the integration design of Customer Due Diligence (CDD/EDD) and Anti-Money Laundering (AML) processes, aligning with core banking security policies and regulatory compliance requirements
- Validated OCR integration for resident ID verification and WebRTC-based real-time image capture, contributing to system stabilization during the BMT phase
- Designed an asynchronous architecture to support high transaction volumes, achieving a 40% reduction in service incidents and stabilizing the remote account opening process
- [앱·인증서 없어도 OK! KB국민은행, "모바일브랜치" 출시](#)
- [KB국민은행, "KB모바일 브랜치" 신규 가입 이벤트 진행](#)
- [국민은행, 웹기반 "KB모바일브랜치" 출시...공인인증서 없이 상품가입](#)

KB MyStar Consultation Record Analysis POC

- Led a proof-of-concept initiative to automate customer satisfaction evaluation, defining NLP processing frameworks leveraging Konlpy, Mecab, and TensorFlow
- Analyzed 10 years of consultation records across all KB branches, extracting sentiment trends and churn-related insight indicators
- Structured customer satisfaction segmentation and trend analysis models, establishing Dash-based visualization and executive reporting frameworks
- Delivered data-driven marketing strategy recommendations, supporting customer experience enhancement and reinforcing brand trust

KB Digital Seal AI Adoption Feasibility POC

- Led a proof-of-concept initiative for digital seal similarity analysis, validating OpenCV-based techniques (SSIM, SIFT, SURF, ORB) alongside CNN models to assess technical suitability for financial services
- Designed training datasets reflecting seal image characteristics (angle, wear, ink density) and conducted performance validation under real branch operating conditions
- Established cross-functional review frameworks with internal teams and technology partners, achieving 88% recognition accuracy and improved quality consistency
- Directed feasibility assessment and aligned technical roadmaps among partner organizations, forming the foundation for commercial deployment

KB Credit Card Receipt OCR Modernization & Validation POC

- Led a proof-of-concept initiative to enhance OCR accuracy for automating handwritten credit card receipt processing across KB branches, validating Tesseract-based model tuning approaches
- Designed labeled datasets and image preprocessing frameworks, optimizing LSTM parameters to improve handwriting recognition performance
- Defined integration direction with the nationwide branch sales aggregation system, increasing recognition accuracy from 83% to 92%
- Provided a commercialization transition strategy based on model validation outcomes, supporting branch-level workflow automation and operational efficiency improvements

KB Kookmin Bank – Digital Branch Desk Transformation Pilot

- Led the pilot initiative for a pre-document preparation system to reduce branch wait times, defining process architecture and UX structure across KB branches
- Designed tablet-based electronic document workflows and implemented digital signature and encryption capabilities, aligning integration with the existing queue management system
- Achieved a 50% reduction in customer wait times through pilot validation, establishing the foundation for nationwide branch deployment
- [KB국민은행, "미리작성 서비스"로 고객 대기시간 단축](#)

Skill Keywords

AI Strategy & Enterprise Technology Roadmap Enterprise Architecture Leadership Generative AI & Large Language Model (LLM) Engineering
Enterprise MLOps, LLMOps & DevOps Frameworks AI/ML & Multi-Cloud Architecture (AWS-Centric) Model Serving Architecture & Performance Engineering
Model Lifecycle Management (TensorFlow, BentoML, ONNX) Container Orchestration & Workflow Platforms (Docker, Kubernetes, Airflow)
Data Platform & Pipeline Architecture (Redshift, EMR) Observability & Reliability Engineering (EFK, Grafana, Prometheus)
Program Governance (PMO) & Technical Strategy Alignment Executive Communication & Cross-Functional Stakeholder Alignment
Innovation Strategy & Emerging Technology Adoption Financial AI Systems (AICC, AML, CDD/EDD) Digital Banking Architecture & Remote Financial Channels
Computer Vision & Real-Time Backend Systems (OpenCV, WebRTC)

2018. 09 ~ 2019. 05

9개월

NHN Diquest

TA Division(Freelance Manager)

LG U+ AICC Real-Time Advisor POC

- Developed a real-time chat-based advisor and customer satisfaction scoring system for LG U+ contact centers, designing dialogue analysis and evaluation algorithms
- Architected a 30-channel WebSocket infrastructure with MongoDB message storage and implemented a live monitoring dashboard for agent activity and satisfaction metrics
- Processed post-call transcripts and implemented NLP models for intent classification and response recommendation APIs, with daily batch retraining and real-time inference automation
- Led internal architecture and AI solution training, contributing to the successful acquisition of the full-scale LG U+ AICC project and strengthening technical credibility in enterprise proposals

Korea Student Aid Foundation – IVR Modernization & VOC Analytics System

- Architected a data lake and ingestion pipeline for historical and real-time consultation transcripts, leveraging Sqoop for MariaDB-to-HDFS transfer and Hive-based query environments
- Developed NLP preprocessing pipelines including morphological analysis, NER tagging, sentence segmentation, and tokenization to support advisor recommendation logic
- Designed batch retraining workflows and model version control structures, alongside Hadoop replication and failover validation to ensure operational resilience
- Established foundational capabilities for AICC and STT/TA solution expansion, contributing to financial-sector AI platform contracts and packaged deployment offerings

ML-Based AICC & STT/TA Solution for Lotte Group

- Led development of STT/TA solutions for Lotte affiliates (Lotte Mart, Lotte Duty Free, Lotteria), designing real-time dual-database replication (Master/Slave) and text preprocessing architecture
- Built analytics pipelines to summarize call content, classify consultation types, and extract key phrases from recent call sessions
- Developed AI-driven APIs for similarity scoring, silence detection, sentiment analysis, and complaint clustering, alongside real-time agent monitoring dashboards and RNN-based retraining workflows
- Enabled enterprise TA system adoption across LG, Hanwha, and other clients, expanding STT/TA deployment into financial and regulated industries
- [롯데정보통신, 고객센터 전문 AI 상담 서비스 론칭](#)

- Skill Keywords

Python, Java

AI/ML & NLP (Keras, Konlpy)

AICC & STT/TTS Systems

AWS & Distributed Systems

Model Serving & API Development (FastAPI, Django, Flask, Spring Boot)

Data Engineering (Hadoop, Spark, MariaDB, Redis)

2016. 12 ~ 2018. 08

1년 9개월

D.O Factory

SI Business Division(Manager)

Emergency Financial Aid System for Shinhan Bank

- Designed and launched a backend reservation system for loan screening targeting financially at-risk customers
- Configured scalable infrastructure with Nginx and Tomcat session clustering, including load balancing for high-traffic volume
- Refactored legacy business logic to reduce API load and improve system response time
- Developed an integrated information lookup UI and implemented secure file generation and FTP transmission logic
- Achievements : Ensured stable system performance during peak traffic and met Shinhan Bank's urgent service launch timeline, Automated secure data delivery pipeline, enhancing operational efficiency and data protection

Ministry of the Interior and Safety (MOIS) Data Lake Project

- Migrated and preprocessed 5TB of structured and unstructured historical data from the MOIS National Forum platform, and designed a distributed storage cluster architecture
- Executed Sqoop-based RDBMS-to-HDFS migration, optimized Hadoop reducer tasks, and developed rollback shell scripts to minimize downtime during schema conversion
- Configured Nginx + Tomcat session clustering and load balancing to enable zero-downtime deployment
- Migrated RDBMS data to HDFS using Sqoop and optimized Hadoop reducer performance
- Developed a real-time trending keyword system based on user access behavior, integrated into the live platform
- Achievements : Delivered a stable, large-scale data lake infrastructure for public-sector datasets, Improved end-user experience by enabling real-time keyword visibility through custom search logic

Hyundai Motor Company Smart Key Band (Android)

- Developed a native Android app for Hyundai's global smart key band product, enabling Bluetooth-based pairing with vehicles and real-time driving data sync
- Implemented real-time collection and transmission of sensor data (heart rate, distance, activity) to smartphones, and built a REST API server for unified event handling
- Solved Bluetooth module compatibility issues across multiple Android device models and ensured reliable synchronization with smart bands
- Designed a user-facing dashboard to visualize health data and implemented backend monitoring tools to track API response patterns
- Achievements : Delivered a stable BLE-connected IoT app experience across global Android devices, Reduced user churn and support incidents through effective compatibility handling and performance optimization

Icheon City Animation Expo Website Development

- Developed backend APIs and data models to support event information delivery and reservation functionality
- Interpreted client requirements and translated them into a complete site architecture and user experience design
- Managed the full development lifecycle and served as liaison between technical implementation and business goals

- **Achievements** : Delivered the project on schedule for a public-sector client, incorporating iterative feedback during development, Enabled mobile accessibility and seamless reservation flow, resulting in improved user engagement and satisfaction

NCS-Based Academic Management System for Kyungmin & Baekje Universities

- Developed a student-faculty consultation scheduling system and PDF export feature to streamline academic advising
- Led API documentation and visual testing using Storybook to enhance frontend-backend integration and UI consistency
- Resolved cross-browser issues and implemented web standards and accessibility improvements
- **Achievements** : Automated consultation reporting for faculty users, improving administrative efficiency across departments, Improved system usability based on feedback from real-world academic staff and operational teams

Mobile Website Performance Optimization for the Ministry of the Interior

- Refactored legacy source code and optimized business logic to enhance mobile responsiveness and system structure
- Executed JMeter and nGrinder-based performance tests (load, endurance, spike, breakpoint), with TPS report generation and project closure documentation
- **Achievements** : Resolved bottlenecks and validated system stability under real-world conditions, meeting public sector performance standards

• Skill Keywords

Java, Spring, MySQL Hadoop, Sqoop Tiberio React, Android Bluetooth Angular, Vue, Javascript JMeter, nGrinder

2015. 04 ~ 2016. 06

1년 3개월

ION Communications

ECM Development Team(Senior Engineer)

e-Form Online Electronic Contract System Enhancement

- Designed and developed a full online workflow for e-contract drafting, execution, field mapping, and transmission
- Incorporated frequently updated electronic document regulations and validity policies into the system for legal compliance
- Tuned OCR module parameters to improve Korean/English recognition accuracy; built REST API interface for automatic form classification
- Built an Elasticsearch cluster and optimized query performance, resolving disk usage imbalance across nodes
- **Achievements** : Launched the first non-face-to-face online contract system, secured contracts with major enterprises, and gained hands-on experience handling large-scale traffic in production

iDrive Electronic Document Management System (EDMS)

- Developed and maintained iDrive EDMS for document creation, approval, and disposal, with continuous functional enhancements
- Customized an OCR-based classification system for Korean/English contracts and improved recognition accuracy for various font types
- Participated in source optimization and menu structure design, enhancing performance of the NER-based classification engine
- Contributed to the company's first cloud-based EDMS deployment, enabling SaaS delivery for international customers
- **Achievements** : Handled large-scale traffic efficiently on AWS, reduced infrastructure costs, and closed overseas contracts through stable NLP-powered services

POSCO ICT Smart Grid Demand Forecasting System

- Developed a real-time dashboard for bi-directional energy data sharing between producers and consumers to monitor efficiency metrics
- Built an intelligent energy usage forecasting system to predict seasonal and temporal power demand patterns
- Designed Elasticsearch infrastructure (nodes, shards, clustering) and implemented read replica-based query distribution modules
- Visualized productivity and cost-efficiency metrics in real-time charts and developed external REST APIs for system integration
- **Achievements** : Gained expertise in managing high-volume data traffic and visualization, laying the groundwork for global smart grid expansion and domestic project wins

- Skill Keywords

Java, Spring, Python ElasticSearch OCR AWS BootStrap RabbitMQ

2013. 04 ~ 2015. 03

2년 0개월

Nexusware

SI Business Division(Manager)

LG U+ Uflix Movie Hybrid App Enhancement Project

- Served as Technical Project Lead
- Refactored Cordova-based hybrid app architecture and improved UI performance
- Built CI/CD pipelines with RabbitMQ and Jenkins for automated deployment workflows
- Leveraged Spring EnCache to reduce traffic load and enhance scalability through critical data caching

KT Telecop System Enhancement Project

- Extended ERP features using Spring and MyPlatform, with legacy code refactoring and performance tuning
- Developed RESTful API servers to support the monitoring service platform
- Proposed and implemented scalable, modular architecture based on technical discussions

PNS Groupware Development and Maintenance

- Acted as Project Manager
- Participated in building a new groupware system and handled routine maintenance and feature updates
- Modified business logic and implemented enhancements based on evolving requirements
- Reduced legacy codebase and gradually introduced test-driven development (TDD) practices

Organization Chart Synchronization Module

- Developed backend batch services to synchronize group org charts and employee records
- Built an interface to automatically reflect org/personnel updates into the internal messenger system

KISTEP (Korea Institute of S&T Evaluation and Planning) - Groupware Development

- Managed feature enhancements and development schedules based on user requests for groupware
- Developed component-level functionality for structured data entry and validation rule definition
- Configured reverse proxy using Linux and Nginx and contributed to server setup and deployment

Incheon Traffic Information Center - Real-Time Bus Route (BIS) Web Enhancement

- Developed a real-time web interface for visualizing city bus locations in Incheon
- Implemented bus location markers using Flash ActionScript for the monitoring view
- Built backend logic to synchronize live transport data via real-time control system APIs

Informatization Village Data Architecture Analysis & Design (Ministry of the Interior)

- Conducted system-wide analysis and design for integrated and distributed data architecture of the MOIS Invil platform
- Standardized the data structure and normalization process to support scalable system-wide deployment

Ministry of Government Legislation - CI/CD Environment Setup

- Built a CI/CD deployment system for test, staging, and production using build automation tools

- Skill Keywords

Java, Spring Cordova, Javascript Oracle11, Cubrid ActionScript ExtJS RabbitMQ DA#, Erwin Linux, Jenkins, Apache

2009. 02 ~ 2012. 12

3년 11개월

Happy 3PM

Operations Management Team(Freelance, Part-Time, Assistant Manager)

Developed and maintained JSP- and PHP-based web services

- Built and managed the Seoul Association of the Disabled website, overseeing ongoing operations and maintenance
- Enhanced PHP/WordPress-based e-commerce platforms, including feature improvements and administrative interface development
- Configured and managed Linux/Apache server environments, maintaining operational automation scripts

- Skill Keywords

JSP, PHP Oracle9i, MySQL HTML5, Javascript Linux, Apache

2008. 03 ~ 2012. 02

4년 0개월

HiMedia Academy

IT Instructor(Freelance)

HiMedia Academy – IT Instructor (Freelance)


- Designed and delivered NCS-based IT training programs, including curriculum development and course planning
- Taught OA, web programming, and Flash/ActionScript courses across multiple campuses (Shinchon, Nowon, Suwon)
- Conducted evening and weekend classes with a focus on hands-on, job-oriented practical instruction
- Supported program operations and student project guidance to enhance applied technical competencies

- Skill Keywords


HTML5 OA Flash/ActionScript NCS 기반 교육과정 설계

ACTIVITY


Pytube

- Contributed to pytube, a lightweight, dependency-free Python library and CLI tool for downloading YouTube videos
- Contributor
- <https://github.com/pytube/pytube>
- Github Stars: 


Amazon-Bedrock-Hand-On-Lab

- Contributed to SageMaker Example Notebooks, showcasing how to build, train, and deploy machine learning models using Amazon SageMaker
- Contributor
- <https://github.com/son-kjun/bedrock-workshop>
- Github Stars: 


Amazon-sagemaker-examples

- Contributed to example notebooks demonstrating how to build, train, and deploy machine learning models using Amazon SageMaker
- Contributor
- <https://github.com/aws/amazon-sagemaker-examples>
- Github Stars: 


LLM-RDMA-MLOps-Lab

- A hands-on blueprint for enterprise-grade distributed LLM training and serving operations, featuring performance, scalability, and observability best practices.
 - Contributor
 - <https://github.com/eunki-7/llm-rdma-mlops-lab>
 - Github Stars: 
-


GPU RDMA Communication Lab-10× A100

- A deep-dive, hands-on lab that isolates multi-GPU, multi-node communication for HPC/AI workloads—now scaled to 10× NVIDIA A100.
 - Contributor
 - <https://github.com/eunki-7/exas-comm-a100>
 - Github Stars: 
-


Music2Sheet-MLOps Version

- Architected and led development of an enterprise-grade AI pipeline converting music audio to sheet music using Hugging Face pretrained models, FastAPI inference service, and fully automated CI/CD (Docker + GitHub Actions).
 - Owner
 - <https://github.com/eunki-7/music2sheet-mlops>
 - Github Stars: 
-


MCP Auto-Router Chatbot-MLOps Version

- Enterprise-grade chatbot with AWS ECS deployment, SageMaker fine-tuning, CI/CD automation, and monitoring stack (Prometheus + Grafana).
 - Owner
 - <https://github.com/eunki-7/mcp-auto-router-chatbot-mlops>
 - Github Stars: 
-


Lightweight PDF RAG Chatbot

- A lightweight PDF-based RAG chatbot with fallback model inference, built using HuggingFace Transformers and Gradio.
 - Owner
 - <https://github.com/eunki-7/lightweight-pdf-rag-chatbot-portfolio>
 - Github Stars: 
-

MCP Auto Router Chatbot

- A multi-model routing chatbot that automatically selects the best model based on query type, demonstrating MCP-style AI model orchestration.
 - Owner
 - <https://github.com/eunki-7/mcp-auto-router-chatbot-portfolio>
 - Github Stars: 
-

Echo FLAN2SQL (Voice-to-SQL AI)

- A voice-driven SQL generator using Wav2Vec2 for speech-to-text and FLAN-T5 for SQL translation, delivering instant query results from mock databases.
 - Owner
 - <https://github.com/eunki-7/wav2vec-flan-sql-portfolio>
 - Github Stars: 
-

Certifications

- AWS Certified Machine Learning - Specialty
- CKA (Certified Kubernetes Administrator)
- CKAD (Certified Kubernetes Application Developer)
- Google TensorFlow Certificate (2–5 Years)
- AWS Certified Cloud Practitioner

- 데이터아키텍처전문가 (DAsP)
- SQL개발자 (SQLD)
- 정보처리기사
- Oracle Certified Java Programmer (OCJP)
- 리눅스마스터 2급
- 컴퓨터활용능력 1급
- 멀티미디어콘텐츠제작전문가
- 사무자동화산업기사
- MOS Excel 2007 Expert
- 인터넷정보검색사 1급
- 워드프로세서 1급
- 정보기기운용기능사
- 무선인터넷관리사
- 컴퓨터운용사
- 웹디자인기능사
- GTQ 포토샵 1급 외

EDUCATION

2014. 09 ~ 2016. 08

Soongsil University

M.S. in IT Convergence, Graduate School(GPA: 4.4 / 4.5)

2009. 02 ~ 2011. 02

Academic Credit Bank System (South Korea)

Bachelor's Degree in Computer Engineering(GPA: 4.3 / 4.5)

PRESENTATION

2016. 08

Comparative Analysis of MongoDB and MySQL for Large-Scale Data Processing and NoSQL Utilization

Eunki Kim (M.S. Thesis, Department of IT Convergence, Soongsil University, South Korea)

- RISS <http://www.riss.kr/link?id=T14144757&outLink=K>

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- [AWS 삼성전자 세미나 - Sagemaker FineTuning with Experiments](#) - 2024.06.24
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- [KB국민은행, 로블록스\(Roblox\)로 ‘메타버스 금융’ 시도](#) - 2022.02.09
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- [KB의 새 메타버스 실험…“현장감 살린 영업점포 구현 중](#) - 2021.09.15
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- [국민은행 AI은행원 영업점 시범 도입 - 2022.01.26](#)
- [은행원 대신 가상인간" 국민은행의 AI금융비서 실험 - 2022-06-04](#)
- [앱·인증서 없어도 OK! KB국민은행, "모바일브랜치" 출시 - 2020.09.14](#)
- [KB국민은행, "KB모바일 브랜치" 신규 가입 이벤트 진행" 출시 - 2021.11.10](#)
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- [롯데정보통신, 고객센터 전문 AI 상담 서비스 론칭 - 2023.10.23](#)

ETC

2018. 09 ~ 2024. 05

멀티캠퍼스 - AI/ML 전문가 과정 멘토

클라우드 기반 빅데이터 융합 과정 및 딥러닝 모델러 과정 멘토링 수행

2018. 02 ~ 2024. 05

인프런 프로그래밍 지식 공유

파이썬 동시성·병렬 처리 및 Golang 고급 프로그래밍 과정 콘텐츠 기획, 강의

2021. 04 ~ 2021. 04

DevOps를 위한 도커와 쿠버네티스 과정

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2019. 02 ~ 2021. 02

패스트캠퍼스 - 파이썬 심화 과정 지식 공유

고급 파이썬 설계, 성능 최적화 중심 커리큘럼 강의

2018. 07 ~ 2018. 08

한국데이터진흥원 빅데이터 분석 전문가 프로젝트-우수상

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2018. 07 ~ 2018. 08

한국데이터진흥원 빅데이터 분석 전문가 과정

실무 경력 3년 이상 분석가 대상 빅데이터 분석 도구, 알고리즘 심화 과정 수료

2017. 09 ~ 2017. 09

SW보안약점 진단원 양성과정

Secure Coding 기반 소프트웨어 보안 취약점 진단 역량 과정 이수

v.1.2.1 / [Github](#) / Thanks for [uyu423](#)

[Next.js](#) v10.2.3 / [React.js](#) v17.0.2 / [Bootstrap](#) v4.6.0