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Summary

Solution Architect with 2+ years of hands-on experience taking AI systems from ambiguous customer requirements to production, currently focused on LLM inference on AI accelerators at FuriosaAI. Shipped customer-facing GenAI systems end to end, from RAG agents for enterprise patent analysis to a GenAI log analyzer that cut analysis time by 30%+.

Professional Experience

FuriosaAI

Solution Architect

July 2026 – present

- Architecting customer solutions for FuriosaAI's **RNGD AI accelerators**, bridging silicon and real-world **LLM workloads** (GPT-OSS, Qwen3, Gemma) from model requirements to **quantized serving (MXFP4)** and PoC environments.
- Leading **technical discovery** with enterprise prospects, scoping LLM serving requirements and PoC plans, including **on-prem deployments** for data-sensitive domains such as healthcare.

Microsoft

Solution Engineer Intern

Jan 2026 – Mar 2026

- Led high-priority cloud-native PoCs for enterprise clients (e.g., SK Chemicals), architecting **RAG-based AI agents** with **Azure Functions** to automate complex patent analysis over large volumes of unstructured PDFs.
- Scaled AI adoption by speaking at **Microsoft AI Tour Seoul 2026** and running technical sessions for **150+ customers**, and integrating Copilot hands-on labs into a university curriculum reaching **500+ students per semester**.
- Engineered "K-Onboarding Buddy," a **multi-agent platform** (Copilot Studio, React) that streamlines internal knowledge discovery and networking, designed from interviews with 33 new hires.

Amazon Web Services

Cloud Support Engineer Intern

June 2025 – Dec 2025

- Built **LogLift**, a full-stack GenAI log analyzer (React, FastAPI, **Amazon Bedrock**) that turns unstructured S3 logs into Athena query tables and generates SQL from natural language, cutting average analysis time by **30%+**.
- Performed **root cause analysis** for complex web and infrastructure issues (HTTPS, DNS, CloudFront) and published reusable solutions on AWS re:Post, including a [cross-region disaster-recovery guide for Amazon EKS](#).
- Orchestrated a STEM partnership with Seoul Finance High School, delivering a full-day **Cloud & Agentic AI workshop** rated **4.94/5.0** and featured in Seoul Education News.

Samsung Medison

AI & SW Engineer Intern

Jan 2025 – June 2025

- Translated **clinician interviews** into technical requirements and led full-cycle development of an AI-based ultrasound view-setting module (**C++/Python**), reducing manual setup time by **35%**.
- Refactored the AI engine's C++ interface around the **Command pattern**, enabling new features without touching the core engine.
- Collaborated cross-functionally with **Samsung Research Bangladesh** to bring the module to production quality.

LG Discovery Lab

AI Instructor & Mentor

Aug 2024 – Dec 2024

- Architected and delivered a hands-on **AI curriculum** (data, vision, robotics) with **LG AI researchers**, directly teaching **1,000+ students** through the end-to-end ML workflow at LG's nationwide AI education program.

CareMinder

Co-Founder & App Developer

Feb 2024 – Dec 2024

- Co-built and deployed an **AI voice-routing system** for nurse-patient communication across **5 hospitals (200+ beds)**, integrating real-world feedback from healthcare professionals.
- Built the real-time app (**React Native, FastAPI**) with speech recognition tuned for elderly patients in noisy wards.
- Redesigned the **WebSocket layer** to eliminate race conditions and duplicate messages in live clinical environments.

Education

Sungkyunkwan University BS in Computer Education & Computer Science	Feb 2021 – Feb 2026
• GPA: 4.12/4.5 (Computer Science double major: 4.45/4.5) • Vice President, CS Student Council	
Universidad de Málaga BS in Computer Science (Exchange Program) · Málaga, Spain	Sept 2023 – Feb 2024
Masaryk University BS in Computer Science (Exchange Program) · Brno, Czech Republic	Mar 2023 – Aug 2023
• Ran a semester-long Korean language class for Czech students, taught in English.	

Open Source and Activities

Open Source Contributor, Pyodide	July 2025 – Dec 2025
Contributor to the WebAssembly-based Python runtime through the 2025 OSS Contribution Academy (Special Award).	
• Merged PRs to Pyodide and pyodide-recipes across documentation, CI, and package recipes, including the macOS build guide and a python-calamine update.	
Technical Lead, Google Developer Groups (GDG) SKKU	Feb 2024 – Feb 2025
Grew a 200+ member tech community by organizing a global speaker series and hands-on workshops; co-hosted "REALTHON," an AI hackathon on UN SDGs.	
Delegate, CES 2025 Global AI Youth Program	Jan 2025
Selected as a Sungkyunkwan University delegate to explore AI and cloud trends on the CES floor.	

Awards

SKKU AI Hackathon (2nd Place)	Oct 2025
Built DrawMind , an art-therapy-inspired reflection platform that turns children's drawings into gamified self-expression and structured reports for therapist review.	
kakao × goorm Hackathon (2nd Place)	Dec 2024
Built Ivory , an AI OCR platform that automates childcare service applications, replacing days-long manual document reviews with instant eligibility checks (goorm tech blog).	
AIM Challenge (1st Place, Minister of Education Award)	Nov 2024
Built a barrier-free AI voice kiosk boosting elderly speech-recognition accuracy from 65% to 94% , winning first place across a seven-university AI consortium (press coverage).	
Chung Ju-yung Startup Competition (Excellence Award)	2024
Selected from 1,400+ teams into the Asan Nanum Foundation's six-month accelerating track with CareMinder's voice AI platform (press coverage).	

Skills and Certifications

Programming: Python, C++, TypeScript, SQL
AI / ML: PyTorch, GenAI, RAG, Amazon Bedrock, Copilot Studio
Cloud & Infra: AWS, Azure, GCP, Docker, Ansible
Web: React, Next.js, FastAPI, REST APIs, WebSocket
Certifications: AWS Solutions Architect Associate, Azure Fundamentals (AZ-900), Engineer Information Processing, ADsP
Languages: Korean (native), English (professional working proficiency)