

Dahee Kim *Full-Stack Developer*

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👤 Profile

Full-stack software engineer specializing in **scalable backend systems** and **AI-powered applications**. Experienced across the full software development lifecycle, **from architecture** and implementation **to cloud deployment**. Proven ability to deliver **production-ready software** using Spring Boot, Node.js, Nest.js, FastAPI, React, Next.js, and AWS.

📁 Professional Experience

Backend Developer

11/2025 – 01/2026

Furence 🌐

- **Led backend development** for the RecSee 4.0 mobile platform by designing its backend architecture and core services supporting **authentication, recording management, AI processing, and notifications**, delivering **43 REST APIs** backed by a normalized PostgreSQL data model.
- Enabled reliable mobile recording uploads under unstable network conditions by implementing **resumable uploads** with the **TUS protocol**, eliminating restart-from-zero failures.
- Built **fault-tolerant STT** and **GPT-4o-mini pipelines** with retry and recovery logic, alongside **real-time FCM notifications** for AI processing events.
- **Contributed multilingual authentication APIs** and transactional email templates supporting various languages.

Full-Stack Developer

03/2024 – 10/2025

ThinkStorm - Platform where developers gather to select and collaborate on team projects.

- **Designed and delivered a full-stack collaboration platform** enabling developers to discover projects and build teams.
- Optimized backend performance by separating **Redis** workloads for **caching and rate limiting**, reducing redundant database queries while automatically blocking abusive IPs for **1 hour** and granting administrators **10×** higher request quotas.
- Built automated **CI/CD pipelines** with GitHub Actions, Docker, and Fly.io, enforcing **80%** test coverage through Jest and integration testing.
- Eliminated frontend-backend API contract mismatches by publishing a shared **TypeScript contracts** package consumed by both applications.
- **Improved developer productivity** by standardizing pull request workflows and automating local development environment setup.

Full-Stack Developer

07/2023 – 03/2024

Sherpasoft 🌐

- Enhanced an enterprise database monitoring platform by developing **usage-monitoring features** supporting **5 database engines**: Oracle, SQL Server, Tiberio, MariaDB, and MySQL.
- **Expanded multi-cloud support** across SQL Server, MariaDB, and SAP HANA by extending backend services and integration tests.
- Evaluated **Kafka and ActiveMQ** through a proof of concept to compare asynchronous messaging architectures for inter-service communication.
- **Reduced** weekly status **meeting time** by **50%** by developing a Redmine-integrated work logging system that replaced manual progress reporting.

Full-Stack Developer Intern

06/2023 – 07/2023

Allra Fin-Tech 🌐

- Implemented **simplified payment backend features** using Spring Data JPA and JSP by following an existing enterprise development workflow.

- **Participated in Agile development and code reviews** with senior engineers during a one-month internship.

 Skills

- **Frontend:** React.js, Next.js, Redux, TanStack Query, Tailwind CSS, SCSS, HTML5, Streamlit
- **Backend:** Node.js, Nest.js, Spring Boot, Express.js, FastAPI
- **Database:** PostgreSQL, MongoDB, MySQL, Redis, OracleDB
- **DevOps/Infra:** AWS, Docker, GitHub Actions, CI/CD, Render, Fly, Netlify, Cloudflare
- **Testing:** Jest, JUnit, TDD
- **Tools:** Git, ESLint, Prettier, Webpack, Vite, Parcel

 Certificates

- AWS Certified Developer – Associate 
- AWS Certified Cloud Practitioner 

 Education

AI Service Developer Program (LLM, RAG, MCP) 04/2026 – 07/2026

DMC Conet 

- Completed intensive training in **LLM application development, RAG, LangChain, and MCP**.
- Built AI backend services with **FastAPI** and integrated modern AI workflows using the **OpenAI API**.
- Led **production-oriented team project** applying **computer vision, MLOps, and distributed AI systems** to build AI-powered industrial safety monitoring solutions.

Full-Stack Developer Bootcamp 01/2023 – 06/2023

MultiCampus 

- Led **two team projects** as team lead, managing the collaboration process.
- Completed a full-stack development curriculum based on **React, Java, and Spring**, including hands-on project work.

B.A. in English Language and Literature (GPA: 4.2/4.5) 03/2017 – 02/2023

Incheon National University 

- Graduated at the top of the department and received the Dean's Award for the College of Humanities
- Built a foundation in computing systems theory by taking electrical/computer engineering courses

 Languages

English ● ● ● ● ● **Spanish** ● ● ● ● ●
TOEFL 100 / IELTS 7.5 / TOEIC 920

 Organisations

UNESCO  10/2021 – 10/2021

Interpretation & Translation Support Volunteer

- Supported the smooth operation of the 5th International Conference on Learning Cities, with a focus on the Sustainable Development Goals (SDGs) related to health, education, and gender equality.
- Facilitated global collaboration and the exchange of ideas among participants from diverse countries, including discussions on the COVID-19 response and ensuring educational equity during the pandemic.