

## Jonghwan Park

• [jonghwan@usc.edu](mailto:jonghwan@usc.edu) • [linkedin](#) • [github](#) • [portfolio](#) • [google scholar](#)

### SUMMARY

Software engineering professional with 2+ years of experience in REST APIs, backend, and frontend development. Maintained and continuously developed a mobile service system with 300K+ DAUs, troubleshooting real-time issues.

### TECHNICAL SKILLS

Languages & Databases: Python, Java, React, Javascript, Typescript, SQL, MySQL, PostgreSQL  
Cloud & DevOps: AWS (S3, SES, Lambda, EC2), Docker, Kubernetes, Jenkins, Git  
Frameworks & Tools: Spring Boot, FastAPI, Flask, REST API, GraphQL, Visual Studio, Xcode, Android Studio

### EXPERIENCE

Winston Lab of Social Science and Innovation Feb 2025 - Present  
*Software Engineer* Los Angeles, CA

- Served as the second frontend engineer, collaborating with designers and backend developers, and occasionally contributing to backend development.
- Developed an Learning Management System (LMS) integrated with an educational AI agent to help students and instructors manage and resolve queries.

Skills: React, Javascript, Typescript, Spring Boot, Java, Python, RAG, LangChain, LlamaIndex, OpenAI, FastAPI

USC Information Sciences Institute Jun 2023 - May 2024  
*Machine Learning Engineer* Los Angeles, CA

- Enhanced computation-efficient LLM inference (OPT, viBERT) using the SNIP pruning and model sharding for distributed execution, reducing inference time by 20%.

Skills: Python, Tensorflow, PyTorch, Numpy, Huggingface, Linux

LG CNS Jan 2019 - Feb 2021  
*Software Engineer* Seoul, Korea

- Developed a starter kit with frontend templates and backend integration to help developers quickly ramp up on new projects, reducing setup time by 70% for 1,000+ developers.
- Led and built an integrated API system connecting mobile data plans with external partners like Netflix and Kia Motors, serving 80K+ users and generating over \$20M in revenue.
- Maintained and continuously developed a mobile service system with 300K+ DAUs, troubleshooting real-time issues.

Skills: Java, Spring Boot, JavaScript, Microservices, REST APIs, SQL, Agile Development, Scrum

### PROJECTS

Online marketplace ([demo](#)) (Docker, React, Typescript, Go, GraphQL, FastAPI, Open AI, PostgreSQL) Jan 2025

- A web app for buying and selling items, featuring image recognition to auto-generate item specs and streamline listings.

Books Review Diary ([demo](#)) (AWS, Docker, Nodejs, Javascript, CSS, MongoDB) May 2024

- A serverless full-stack app on AWS for book search, saving, reviews, and personalized recommendations.

### EDUCATION

University of Southern California, Los Angeles, CA Dec 2024  
MS in Electrical & Computer Engineering - Machine Learning & Data Science (GPA: 4.0/4.0, MS Honors)

Hanyang University, Seoul, Korea Dec 2018  
B.S., Electronic Engineering (GPA: 93/100, First prize for senior team project)