

Haimo (Rick) Wei

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Summary

Master's student & full-stack developer with four production-grade web platforms deployed to AWS and GCP. Strong in Java/Spring Boot microservices and TypeScript/React-Next.js, designing secure RESTful APIs, event-driven services and WebSocket-based real-time features. Experienced in end-to-end delivery, from relational database design to automated testing, CI/CD pipelines and Docker-based deployments on cloud servers — and collaborating in small agile teams with Jira and GitHub.

Skills

Languages: **Java, TypeScript/JavaScript, Python, SQL**
Backend: **Spring Boot 3, Spring Security**, Spring Cloud, WebSocket, Django, Node.js/Express
Frontend: **React, Next.js**, Vite, Tailwind CSS, HTML5, CSS3
DB & Cache: **PostgreSQL**, MongoDB, **Redis (cache & pub/sub)**, Flyway
DevOps: **AWS (EC2, S3, ECR)**, GCP, **Docker, GitHub Actions (CI/CD)**, Nginx, Linux, Cloudflare
Tools & Test: **JUnit 5**, JaCoCo, Postman, **Git/GitHub**, Jira, Agile/Scrum
Architecture: **Microservices architecture**, domain-driven layered design (DDD-lite), FSD frontend

Projects

KoalaSwap (Personal Project)

Role: Full Stack Developer & OpsDev

Description: KoalaSwap is a **full-featured second-hand marketplace** with complete transaction workflows. Production-ready with 7 microservices, real-time WebSocket chat and 799+ seeded products.

Tech: Java 21, Spring Boot 3.3, React, Vite, PostgreSQL, Redis, Docker, CI/CD, AWS (EC2, S3, ECR)

Live: <https://koalaswap.lightspot.uk>

GitHub: <https://github.com/HaimoWei/koalaswap>

ShopTheLook / StyleShare (Team Project)

Role: Full Stack Developer / Team Leader

Description: ShopTheLook is a **social commerce platform** where users discover fashion inspiration and instantly purchase featured items — like **Instagram meets e-commerce**. Full-featured platform with 8 microservices, 3-tier RBAC (Root/Seller/User) and 85%+ backend test coverage.

Tech: Java 21, Spring Boot 3.2, React, Next.js, PostgreSQL, Redis, Docker, Jira, GCP

Live: [https://styleshare.lightspot.uk \(/admin\)](https://styleshare.lightspot.uk (/admin))

GitHub: <https://github.com/HaimoWei/style-share>

AI Menu System (Team Project)

Role: Full Stack Developer / Team Leader

Description: AI Menu System is a **full-stack restaurant ordering platform** that enhances the traditional ordering workflow with an **AI-powered assistant** — think of it as having a **smart waiter**.

Tech: Python 3.11, Django, React, Next.js, Docker, PostgreSQL, WebSocket, OpenAI, LangChain, GCP

Live: [https://aimenusystem.lightspot.uk \(/admin\)](https://aimenusystem.lightspot.uk (/admin))

GitHub: <https://github.com/HaimoWei/ai-menu-system>

Education

Jul 2024 – Jul 2026 (Expected)

Master of Computer Science (SE) — University of Sydney