

Hyunje Kim

Full Stack Engineer (2 years) | [LinkedIn](#)

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EXPERIENCE

Antra, Inc | Sterling, VA — Full-Stack Engineer

JUN 2024 - JULY 2025

- Developed a full stack internal learning management system using Angular 18, Spring Boot, and AWS services.
- Designed complex forms and reusable components using Angular Reactive Forms, with custom validators and dynamic error messaging.
- Improved Angular application performance through lazy loading, OnPush change detection, and bundle optimization techniques to minimize unnecessary re-renders and reduce load times.
- Implemented HTTP interceptor to automatically attach JWT tokens to outgoing API requests and handle authentication errors, streamlining secure communications.
- Managed global state using NgRx and coordinated asynchronous operations with RxJS operators.
- Implemented secure authentication using AWS Cognito, issuing JWT tokens to authenticate users and authorize protected routes via Spring Security and IAM roles.
- Developed RESTful APIs using Spring Boot with DTOs, service-layer abstraction, and centralized exception handling using controller advice.
- Used PostgreSQL hosted on AWS RDS for data persistence, leveraging Spring Data JPA for efficient query management and pagination.
- Automated CI/CD pipelines using GitHub Actions for building, testing, and deploying across multiple environments, streamlining development workflow and reducing deployment overhead.

ORA.CO | Blacksburg, VA — Full-Stack Engineer

NOV 2023 - May 2024

- Developed a health and fitness platform connecting users with personalized influencer content, featuring AI-powered recommendations using Hugging Face models and web scraping with Puppeteer to deliver customized wellness guides and tips.
- Migrated Next.js application from version 13 to 14 and integrated TypeScript to improve code readability, maintainability, and scalability across the codebase.
- Integrated AI chatbot with vector embedding and PostgreSQL for semantic search capabilities, enabling contextual responses and improving user engagement through content recommendations.
- Collaborated with the design team to develop responsive front-end features using Tailwind CSS and modern UI libraries like Shadcn and Material UI, creating intuitive user interfaces that enhanced overall user experience.

SKILLS

HTML / CSS / TailwindCSS
Javascript / Typescript
Angular / Next.js
Node.js / Spring Boot / Java
PostgreSQL / MongoDB
Git / Github Actions
AWS (EC2, RDS, IAM, Cognito)
CI/CD

TOOLS & TECHNOLOGIES

Agile Methodology
Swagger / Postman
TypeORM / JPA
Angular Material / Shadcn
Jasmine / Karma / Cypress
JaCoCo / JUnit / Mockito / H2
Maven / Gradle
JWT / JSON
Docker
SonarQube
Jira / Linear / Trello / Slack
HuggingFace
Wordpress

IDE

IntelliJ IDEA / Eclipse / VS Code

ACADEMIC AWARDS

Dean's List (2022 - 2024)

LANGUAGES

Korean (native)
English (Bilingual)

PART-TIME EXPERIENCE / PROJECTS

BraveSouls | Blacksburg, VA — *Technical Lead*

JAN 2024 - MAY 2024

Developed and maintained the official website for the Virginia Chapter of the Korean-American Scientists and Engineers Association (KSEA) using WordPress as the CMS.

Virginia Tech | Blacksburg, VA — *Undergraduate Teaching Assistant*

MAY 2023 - JUN 2023 | AUG 2023- NOV 2023 | JAN 2024 - MAY 2024

Supported instruction for the following courses: *Apple Mobile Software Development*, *Intermediate Software Design*, and *Introduction to Problem Solving in Computer Science*.

Assisted with course material preparation, led student discussions, and provided one-on-one support during office hours.

KSEA | Blacksburg, VA — *Webmaster*

JUL 2022 - JUN 2024

Developed and maintained the official website for the Virginia Chapter of the Korean-American Scientists and Engineers Association (KSEA) using WordPress as the CMS.

Collaborated with Virginia Tech's backend infrastructure team to deploy web applications on internal clustered servers via GitLab CI/CD pipelines.

EDUCATION

Virginia Tech — *Bachelor of Science in Computer Science*

AUG 2018 - AUG 2020 | AUG 2022 - AUG 2024

Served in the military during the gap year.