

Irin Jeong

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Summary

Product-driven Full-stack Developer with 5 years of experience in Java and Spring Boot. Proven track record of taking ownership of the entire product lifecycle, from initial concept to deployment. Specialized in modernizing complex PIMS(Product Information Management System) and building robust backend architectures.

Experience

PurpleIO, Seoul, South Korea

May 2023 – Feb 2026

E-commerce tech company operating Kolon Mall, a major fashion retail platform in South Korea

[Legacy Monolith Migration: PIMS(Product Information Management System) Development]

- Collaborated on the migration of a legacy monolith (KOP) into a new PIMS as part of a 3-person core team, managing data for 1.5M+ products.
- Built a synchronization engine using AWS Lambda to automate 3,000+ daily product updates.
- Developed an MD management interface from requirements to production, streamlining essential workflows like product approvals and sales status management.

[4M-Item Review Platform]

- Designed and implemented a full-stack feature using React, Spring Boot, and OpenSearch to group and display over 4 million reviews.
- Resolved OOM issues by optimizing QueryDSL bottlenecks, implementing a 2-step ID retrieval strategy.

[Partner Office (Merchant Portal) Security & Access Management]

- Redesigned the RBAC (Role-Based Access Control) system to enforce Segregation of Duties (SoD), successfully resolving all enterprise security audit findings.
- Integrated a new in-house messaging platform to automate approval notifications (SMS/AlimTalk) using Quartz batch jobs, reducing manual tracking and delays.

[AI Product Recommendation Prototype]

- Built an AI chatbot prototype (FastAPI, Milvus, Gemini) that uses customer reviews and product information to provide personalized product suggestions.
- Improved search relevance by implementing a 3-vector indexing strategy to help the AI better understand customer style and specs.

Trevari — Seoul, South Korea

Jul 2022 – Dec 2022

A subscription-based reading community platform

- Expanded the payment system to support books and merchandise, transitioning the platform from a service-only model to a multi-category e-commerce store.
- Unified fragmented microservices into a centralized Book Review API, reducing development time for new features.

Enliple – Seoul, South Korea

Sep 2020 – Mar 2022

Ad-tech company operating Mobon, a major retargeting network in South Korea handling up to 21,000 peak TPS.

- Optimized Ad Frame performance by building a batch process that automatically selects high-performing layouts across 15M product data points.
- Managed and optimized a product recommendation system using User-Based and Item-Based Collaborative Filtering to increase user engagement for banner ads.

Skills

[Programming]

- **Languages:** Java, TypeScript, JavaScript
- **Frontend:** React, Next.js, Tailwind CSS
- **Backend:** Spring Boot, JPA (Hibernate), QueryDSL
- **Data:** MySQL, Redis, OpenSearch
- **Cloud & DevOps:** Docker, Kubernetes, AWS (EC2, RDS, S3), Git

Education & Certifications

Hannam University — Daejeon, South Korea Bachelor of Arts in Library and Information Science

Aug 2018

AWS Certified DevOps Engineer — Professional

Nov 2025