

Mihyang Gu (Mia)

Product-minded Backend Engineer specializing in incremental modernization to drive user growth and operational efficiency

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SKILLS

Programming language: Java, Kotlin, Javascript, Python

Backend and DBs: Spring Boot, Kafka, Oracle, Mysql, Redis, elasticsearch

Tools & Infrastructure: AWS, Docker, Datadog, Jenkins, Github actions, Kubernetes

EXPERIENCE

Kurly Backend engineer @Fulfilment outbound product team

South Korea, Jul 2023 - Aug 2025

E-commerce company specializing in early-morning delivery of fresh and curated consumer goods

- Developed and operated outbound warehouse management systems (WMS), focusing on automation and modernization of legacy logistics systems.
- Transitioned outbound document generation from batch-based processing to real-time creation, incrementally refactoring a legacy system to eliminate accidental complexity and unnecessary data persistence.
- Designed a routing API to selectively switch traffic by fulfillment center and time window when adopting a new real-time Kafka topic, mitigating migration risk and preserving operational stability by minimizing blast radius and enabling fast recovery.
- Automated outbound document generation across all fulfillment centers, eliminating manual admin workflows and reducing processing time over 70%, resulting in zero human-induced shipment errors.
- Worked with the team to evolve deployment workflows toward small, observable changes, introducing automated regression tests, release checklists, and feature toggles to improve delivery speed while maintaining stability.

Mfort Backend engineer @Connection product, Payment product team

South Korea, Oct 2022 – Jun 2023

Childcare platform connects parents and babysitters and supports childcare services

- Worked across both sitter-matching and payment domains, contributing from ideation and initiative planning to backend development and data-driven improvements.
- Designed and developed childcare payment features including coupons and automated fee calculation based on working hours and activity logs.
- Built a direct payment flow enabling parents to complete payments without sitter invoices, contributing to achieving a monthly payment volume target of KRW 100 million.
- Automated sitter settlement processes by replacing manual admin workflows with batch-based payout requests and completion handling.
- Developed features to improve parent-sitter matching funnels, including interview scheduling and system-triggered chat messages to reduce no-shows.
- Introduced personalized application messages for sitters, increasing connection rates by 5–8 percentage points.

Coway Backend engineer @User membership team

South Korea, Oct 2021 - Mar 2022

A life-care company specializing in rental-based home wellness appliances

- Developed APIs for an integrated membership administration system used by internal operators.

Zum internet Fullstack engineer @Search development team

South Korea, Sep 2018 - Sep 2021

Internet portal company operating search and content services

- Operated internal management tools and reduced code duplication and addressed recurring production issues such as OutOfMemory errors, improving system stability, performance, and operational efficiency.
- Introduced Elasticsearch to keyword-based URL search APIs and developed plugins such as Korean–English conversion, character decomposition, and minimum-length matching.
- Developed APIs and batch applications to index and serve restaurant partner data, optimizing ranking based on location, category, and partner priorities.

EDUCATION

Hanyang University - B.A. Policy science

South Korea, Feb 2019