

# Mihyang Gu (Mia)

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

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## SKILLS

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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

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## EXPERIENCE

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**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.

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## EDUCATION

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**Hanyang University - B.A. Policy science**

South Korea, Feb 2019