

Bokeun Jeong

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Career

SSG.COM

Backend Developer | 2019.03 – Present

- Developed integration system for order, claim, product data of affiliated sellers.
 - Designed, Developed, Improved Mobile Gift Service with maximum 85.8M monthly traffics.
 - Maintained data synchronization for Order, Product of H&M, Samsung, Ferragamo.
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Contributions

Microservice Architecture Migration for Ssgcon

- Inspected overall logic and drew diagram to plan progressive migration.
 - Migrated functionalities such as Issue, Send and Usage of coupons.
 - Removed duplicated codes and split down combined functions to multiple components.
 - Only switched RabbitMQ Queue and maintained exchange without affecting producers.
 - Improved maintenance with **100%** of test coverage for controllers and services.
 - Caused **0%** of errors during migration.
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Improvement for Mobile Gift Order API Latency

- Changed callback method from API to Kafka.
 - Reduced number of callbacks from N+1 depending on order quantity to 2.
 - Guaranteed order of callbacks for same coupon by assigning partitions with order id.
 - Improved average API latency from 1.56s to 446ms.
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Automation of Settlement Data Mapping for Affiliated Sellers

- Developed data mapping feature extracting PK from uploaded excel files.
 - Avoided performance issues of Apache POI by changing format to csv from xlsx.
 - Removed many procedures from creating query to approval of data export.
 - Reduced process time to **maximum 60 seconds**.
 - Enabled up to **105M rows**, which is maximum for xlsx, by multi-thread processing.
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Mobile Gift Data Validation System

- Designed data pipeline updating coupon status and comparing to order database.
 - Defined validation targets to unused coupon in 6 months (average 100k to 150k a day).
 - Prevented overcalls by calculating the number of validation targets for every batch.
 - Enabled monitoring up to **144k** of coupon status.
 - Improved service stability by detecting hidden edge cases of synchronization failure.
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Improved Monitoring Indicators for Mobile Gift

- Added indicators such as order amount, order id, product id.
 - Measured detailed latency such as by quantity, by sellers, internal and external.
 - Established measurement standard of precise internal performance and work evaluation.
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Microservice Architecture Migration for Mobile Gift

- Separated logics from legacy library and database.
 - Designed integrated mobile gift order and claim data synchronization system.
 - Added features such as cancel, resend, status, extend of coupons.
 - Enabled claim of already issued coupons by migrating data from central database.
 - Applied appropriate patterns for adding new sellers such as strategy, adapter, factory.
 - Responded to average daily traffic increases of 2k → 20k → 76k → 217k biannually.
 - Contributed to company-wide goal of mobile gift sales in 2023 (5% of total GMV).
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Skills	Java Spring PostgreSQL JPA Kafka Kotlin Oracle MyBatis RabbitMQ Python	
Education	Sungkyunkwan University Economics Eastern Philosophy and Confucianism Samsung Full Tuition Scholarship	
Certificates	SQL Developer 2022.Dec Korea Data Agency	Engineer Information Processing 2018.Nov HRD Service of Korea
Activity	- Guest Lecturer and Project Coach Techit by Likelion - Spring Boot with Kotlin for Beginners Inflearn	