

# Sungjun Lee

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## Work Experience

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### **NAVER**, South Korea – *Software Engineer*

*Software Engineer Intern, December 2017 – February 2018*

*Software Engineer, March 2018 – Present*

Build data pipeline of products from feeding to processing for expose to search engine in shopping platform.

- Built and managed integrated monitoring system using Elastic Stack consist of 95 nodes in 5 clusters and stored 40B+ documents in total.
- Managed products feeding data pipelines which process over 1 billion of products from hundreds of thousands of malls.
- Redeveloped review data process platform from on-premises monolithic batch architecture to stream based MSA on Kubernetes resulting in 50% reduction in process delay.
- Refactored related products feeding pipeline for better performance resulting in 80% reduction in process time and 40% increment in products feeding.
- Refactored sales index feeding pipeline from on-premises batch architecture to stream based MSA on Kubernetes and added auto retry and recovery features for fault-tolerance resulting in decreased 65% process time.
- Redeveloped review count feeding pipeline from old version of Java batch architecture to Kotlin coroutines structure resulting in 83% reduction in process time.

## Activities

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- Wrote an article on D2, the official blog of NAVER, "Build data monitoring system using Elastic Stack and Lambda" (Available at <https://d2.naver.com/helloworld/9878588>)
- Worked as a mentor for intern developer.
- Gave a speech "Apply Kubernetes auto scaling by detecting Kafka lags" in NAVER Engineering Day 2019, the internal tech sharing event.

## Education

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- **Kookmin University**, South Korea - *B.S. Computer Science, GPA 3.74 / 4.5*

## Technical skills

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- Languages / technologies: Java, Kotlin, Python, SQL, Linux, Elasticsearch, PostgreSQL, Oracle, Spring, Hadoop, Kubernetes, Docker, Kafka, Jenkins, Airflow, Kibana, Logstash, Git