

# JISU PARK

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Data Engineer with experience in developing sustainable and cost-efficient data pipelines. Experienced in designing data workflows using big data frameworks to support large-scale workloads across on-prem and cloud environments. Proven track record of enhancing performance and cutting costs through automation and optimization.

## PROFESSIONAL EXPERIENCE

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### Kakaohealthcare Corp.

Manager

Seongnam, Korea

Jan. 2023 – Present

- Developed and maintained **common modules** to **standardize data pipeline** rollouts across **10+ tertiary hospitals**, improving deployment consistency and scalability
- Installed and Managed **Hadoop and Kubernetes-based Airflow clusters** across **on-premise** and **cloud environments**
- Loaded over **1TB of initial data** and orchestrated **1,000+ DAGs** processing **100M+ records** per project
- **Optimized long-running batch jobs, reducing execution time by up to 90%**
- **Reduced pipeline costs by up to 30%** through Infrastructure-as-Code (IaC) and A/B testing of resource configurations
- **Developed de-identification functions** for unstructured (free-text) data using Spark UDFs and NLP
- **Automated validation and pattern detection** for de-identification functions using sLLM

### Linewalks

Data Engineer

Seoul, Korea

May 2022 – Dec. 2022

- **Designed and executed a PoC data pipeline** leveraging big data frameworks
- **Migrated complex 20+ Oracle stored procedures** (~1,000 lines) to SparkSQL

## SKILLS

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### Programming Languages

Python, SQL

### Frameworks & Libraries

Hadoop, Spark, Hive, Zookeeper, Airflow, Iceberg, Delta Lake

### DevOps

Git, Docker, Kubernetes, Helm, Jenkins

### Cloud Service Providers

Google Cloud Platform, KakaoCloud

### Databases

Postgres, Oracle

### Languages

Korean (native), English (proficient), German (intermediate)

## EDUCATION

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### Korea University

M.A. in Clinical and Counseling Psychology

Seoul, Korea

Sep. 2019 - Aug. 2021

### Korea University

B.A. in German Language and Literature

B.A. in Psychology (Double Major)

Seoul, Korea

Mar. 2013 - Aug. 2019

**Universität Tübingen**

Exchange Student in the German as a Foreign Language and Intercultural Programs

**Tübingen, Germany**

*Sep. 2016 - Feb. 2017*