

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

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

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

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