

Jess | Data Engineer

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Hello,

I'm Jess, a **Data Changer** who believes in changing the world through data

Over the past 5 years, I have built and managed Spark-based data platforms and pipelines. I led EMR→EKS migration, data warehouse development, and CRM targeting systems, enhancing data-driven decisions.

Through automation and optimization, I have maximized data value and will continue driving meaningful change with data.

Experience

Data engineer | kmong, Seoul

2022.05 – Present

- Built S3-based medallion data lake; introduced Spark, Hue, DataHub → improved access & usability
- Designed star-schema DW; automated KPI pipelines → daily monitoring & higher data integrity
- Developed AWS Personalize CRM targeting tool → doubled CTR, achieved 2% CVR (PoC)
- Implemented ISMS-compliant data masking & PII handling logic
- Led cloud migration: Terraform IaC, ECS/EC2/EMR → EKS
- Built RAG-based Slackbot and multi-turn LLM agent

Bigdata engineer | Goodmorning Information Technology, Seoul

2021.02 – 2022.05

- Built MG Bank big data platform with Cloudera Hadoop; secured with Kerberos/TLS
- Optimized DW workflows (Sqoop/Hive/Impala) → 20% faster queries
- Developed NiFi pipelines for external data ingestion into HDFS
- Automated cluster setup with Ansible → install time cut 2 days → 2 hrs

Skills

- **Data Engineering:** Spark, Airflow, Delta Lake, Kyuubi, DataHub, Trino
- **Infra & Cloud:** AWS(EMR, EKS, S3, Glue, MSK, Personalize), Terraform, Kubernetes, Docker
- **Databases:** RDS, Redshift, MySQL, SQLite
- **Languages:** Python, Rust, SQL, Shell Script
- **Tools:** GitHub Actions, Grafana, PowerBI, Linux

Education



Hankuk University of Foreign studies (2015 - 2020)

Political Science and Diplomacy