

Liu Wei

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Professional Summary

Data Engineer specializing in distributed systems and real-time data pipelines. Adept at designing and managing large-scale ETL architectures using modern cloud tools.

Experience

Senior Data Engineer, Streamlytics (Singapore) (2020–Present)

- Architected Databricks-based ETL pipelines processing 2TB of data daily with SLA uptime of 99.9%.
- Implemented Kafka topics for streaming ingestion and REST APIs for data retrieval.
- Created automated monitoring dashboards using Prometheus and Grafana.
- Collaborated cross-functionally to build scalable data governance workflows.

Data Engineer, QuantX (Beijing, CN) (2017–2020)

- Built Airflow DAGs for batch ingestion; reduced pipeline failures by 40%.
- Migrated legacy Hadoop workflows to Spark, improving runtime efficiency by 3x.

Education

B.S. in Software Engineering, Tsinghua University (2016)

Skills

Data Engineering, Spark, Airflow, Kafka, REST, Databricks, ETL, Hadoop, CI/CD, Monitoring