Grace Liu

Data Engineer
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SUMMARY

Data engineer with 6 years of experience building batch and streaming pipelines in Airflow, dbt, Spark and Kafka. Loads about 400 GB a day into Snowflake for finance, merchandising and store teams, with tests on every model. Started in analytics, so builds data models around the questions people actually ask.

EXPERIENCE

Data Engineer — Prairie Lane Grocers

Minneapolis, MN · Feb 2022 – Present

- Built 35 batch and streaming pipelines with Airflow, dbt and Spark, loading about 400 GB a day from point-of-sale, e-commerce and supplier systems into Snowflake.
- Redesigned the sales data model into star schemas, cutting the main revenue dashboard's query time from 90 to 6 seconds.
- Added dbt tests and freshness checks to every model, catching 22 broken upstream loads before they reached finance reports.
- Moved inventory events to a Kafka stream, so stores see stock levels within 2 minutes instead of overnight.

Data Analyst — Lakeshore Mutual

St. Paul, MN · Jul 2020 – Jan 2022

- Automated 12 manual Excel reports with Python and SQL, saving the claims team 20 hours a week.
- Built the first ELT jobs from the policy and claims databases into Redshift, used by 4 analytics teams.
- Wrote Great Expectations checks that found duplicate claim records overstating reserves by $400,000.

SKILLS

Languages: SQL, Python, Scala (basic)

Pipelines: Airflow, dbt, Spark, Kafka, Fivetran

Warehouses: Snowflake, Redshift, BigQuery (basic), PostgreSQL

Practices: Dimensional modeling, data quality testing, CI/CD for data, AWS (S3, Glue, IAM)

EDUCATION

B.S. Statistics, University of Minnesota, 2020

Fictional example by FindAJobAI: the person, employers and numbers are invented.