

MD Ali

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SUMMARY

Data Engineer with 5+ years of experience designing and optimizing scalable ETL/ELT pipelines, cloud data platforms, and enterprise reporting solutions. Skilled in Spark, Snowflake, AWS, Azure, and Databricks with expertise in data modeling, migration, and real-time processing using Kafka. Proven track record of reducing pipeline runtimes by 40%, migrating 50+ workloads to Snowflake, and delivering Power BI dashboards for 500+ users.

SKILLS

ETL/Processing: Spark, Hadoop, Kafka, Airflow, DBT, NiFi, Oozie
Cloud: AWS (S3, EC2, Redshift, Glue), Azure (ADF, Databricks, DevOps)
Databases: Snowflake, Oracle, SQL Server, MySQL, DB2
Programming: Python, SQL, Shell Scripting, C#
Reporting: Power BI, Tableau | Certifications: AWS Data Engineer Associate

EXPERIENCE

Duke Energy – Data Engineer | Charlotte, US | Jun 2024 – Present

- **Built ETL pipelines in Spark (Scala) on Databricks and AWS Glue** to process **1TB+ daily data** into Snowflake, boosting data availability by **35%**.
- **Optimized Spark jobs** to reduce runtimes by **40%** and implemented secure **Kafka clusters on AWS (MSK)** for real-time ingestion.
- **Designed Power BI dashboards** using Snowflake datasets stored on **AWS S3**, delivering insights to **500+ users** with automated **data quality checks**.

CVS Health – Data Engineer | Remote | Jun 2023 – May 2024

- **Designed ETL workflows in PySpark on AWS Glue and Databricks**, reducing load times from **6 hrs.** to **2 hrs.**
- **Automated pipelines using AWS Step Functions & AWS Code Pipeline (CI/CD)**; built **role-based Power BI dashboards** integrated with Snowflake for enterprise reporting.
- **Migrated legacy Hive/Pig workloads to Spark on AWS EMR**, improving data processing performance by **50%**.

UST Global – ETL Developer | India | Jun 2020 – Sep 2022

- Migrated 50+ Netezza workloads to Snowflake with DBT & ADF, achieving 99.9% data accuracy.
- Automated ingestion & transformations in Python/SQL, reducing manual work by 70%.
- Delivered Power BI dashboards for leadership reporting on financial and operational KPIs.

UST Global – Software Developer Intern | India | Jun 2019 – May 2020

- Built web apps in C#, React, MongoDB; deployed via Azure Cloud CI/CD.

EDUCATION

Rivier University – M.S. in Computer Science | 2022 – 2024

CERTIFICATIONS

AWS CERTIFIED DATA ENGINEER ASSOCIATE | Jun 2025 – Jun 2028