

SHOAIB MALIK

Lead Data Engineer

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Lead Data Engineer with **6 years** of experience building cloud-native data platforms using **AWS, Azure, Spark, Snowflake, Databricks and DBT**. Skilled in developing real-time pipelines, scalable **ETL** frameworks, data modeling and analytics solutions for enterprise clients. Proven leadership in agile teams, data architecture, and cross-functional collaboration.

Professional summary

- Lead Data Engineer with 6 years of experience delivering enterprise-grade data platforms using Azure, Spark, Snowflake, DBT, Airflow, Databricks and AWS.
- Expert in building scalable real-time and batch pipelines, optimizing PySpark workflows, and implementing DBT-based transformations.
- Skilled in data integration from diverse sources (Kafka, APIs, S3, RDBMS) into Snowflake and Synapse with strong focus on reliability and cost-efficiency.
- Hands-on with cloud infrastructure (S3, EMR, Glue, Lambda, IAM) and data modeling with a variety of formats (Parquet, JSON, Avro, csv).
- Known for leading agile teams, mentoring engineers, and translating business KPIs into secure, analytics-ready data systems.

Technical Skills

Languages: Python, SQL

Data Engineering: Spark (PySpark), DBT, Airflow, Delta Lake

Cloud Platforms: AWS (S3, EMR, Glue, IAM, EC2), Azure (ADF, Synapse, Data Lake)

Data Warehouses: Snowflake, Redshift, Synapse, Databricks.

Orchestration & CI/CD: Airflow, GitHub Actions

Visualization: Power BI

Data Modelling: Star/Snowflake schemas, Fact-Dimension, Medallion architecture

Work Experience

Lead Data Engineer

Qatasys | April 2023 – Present

Previously: Sr Data Engineer (Apr 2021 – Mar 2023), Analytics/ Data Engineer (Oct 2020 – Mar 2021), Intern (Sep 2019 – Oct 2020)

Professional Experience

ProcMart – Real-Time Supply Chain Analytics Platform

Role: Lead Data Engineer

Period: Nov 2024-Current

Tech Stack: Snowflake, DBT, AWS S3, Snow pipe/Streaming, AWS Lambda, Kafka, Power BI

Job Responsibilities:

- Designed and delivered a Snowflake-centric architecture enabling both real-time and batch analytics.
- Led the build of golden ingestion pipelines (API/Kafka → Snowflake) with robust quality checks.
- Collaborated with product managers to translate KPIs into data models and visual dashboards.
- Oversaw CI/CD setup, implementing secure role-based access and masking policies.
- Guided a 5-member team, performing code reviews and mentoring on DBT best practices.
- Reduced manual reporting efforts by 70–80% with real-time vendor performance dashboards.

Automotive Tier-1 Supplier – Analytics Modernization

Role: Senior Data Engineer

Period: Mar 2023 – Sep 2024

Tech Stack: Databricks, Azure Synapse (SQL), Azure Data Factory, ADLS Gen2 (Delta Lake), Power BI, Azure Monitor, Logic Apps, Unity Catalog

Job Responsibilities:

- Built ingestion jobs for ERP and plant systems with change-data-capture and watermarking to handle late/duplicate data.
- Implemented SCD Type 2 history using Delta MERGE, plus simple backfill and reprocessing scripts.
- Orchestrated pipelines in Databricks Workflows with retries, SLA checks, and dependencies.
- Set up data quality checks (row counts, referential integrity, freshness) and wired alerts to Azure Monitor and Logic Apps.
- Modelled bronze/silver/gold layers and star schemas; documented datasets and lineage in Unity Catalog.

GreenGrid Energy Solutions – Real-Time IoT Solar Plant Monitoring

Role: Data Engineer

Tech Stack: AWS IoT Core, AWS Kinesis Data Streams, AWS Lambda, AWS S3, Snowflake, DBT, AWS SNS, Power BI

Job Responsibilities:

- Developed AWS Lambda functions for processing IoT telemetry before loading into Snowflake.
- Configured and tested Kinesis streams to handle millions of events per hour reliably.
- Created DBT incremental models to support near real-time operational KPI reporting.
- Assisted in setting up SNS alerts for downtime detection within 5 minutes.
- Collaborated with BI developers to prepare datasets and optimize dashboards.

- Conducted QA to reconcile raw telemetry with processed metrics for data accuracy.

Education

Bachelor of Commerce

Sabarmati University, India | 2017 – 2020

Relevant Coursework: Data Analysis, Business Intelligence, Marketing Strategies

SOFT SKILLS & TRAITS

Team-First Leadership & Mentoring

Strong Communication & Stakeholder Alignment

Technically Curious & Solution-Oriented

Agile Practitioner & Detail-Oriented

Personal Details

Gender : Male.

Marital Status : Single.

Nationality : Indian.

Languages Known : English, Hindi.

I, Shoaib Malik, hereby declare that the above information and particulars furnished are true and correct to the best of my knowledge and belief.

Place: Kichha, Uttarakhand

Signature: Shoaib Malik