

MOHAMMAD FARHEEN SIDDIQAH

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Summary

Data Engineer with **2+ years of experience** designing and scaling **data pipelines, data warehouses, and analytics systems** using **SQL, Python, Snowflake, dbt and PySpark**. Strong experience in **data modeling, ETL/ELT workflows, cloud data platforms, and CI/CD automation**. Proven ability to migrate legacy systems, ensure **data accuracy and compliance**, and deliver **high-availability, performance-optimized data solutions** for large-scale enterprise and banking use cases. Comfortable working with cross-functional product, analytics, and engineering teams in Agile environments. to deliver secure and reliable data platforms.

Professional Experience

Tata Consultancy Services(TCS) - System Engineer

Chennai, Tamil Nadu | November 2023 - Present

Client: Banking Domain | **Snowflake, DBT, SQL, RESTful and dynamic APIs, Python, ETL, Jenkins**

- Designed and optimized data warehousing solutions in Snowflake, including schema design, fact/dimension modeling, clustering, and performance tuning for analytical reporting.
- Developed **RESTful and dynamic APIs** to support complex banking data flows, improving system performance and flexibility by around **30%**.
- Built **end-to-end dashboards and reports**, including Snowflake table design, data modeling, backend logic, and query optimization.
- Led **DBT-based data migration** from Oracle to Snowflake, automating transformations, tests, and documentation, reducing manual rework by around 40%.
- Implemented and optimized **Snowflake functions, UDFs, and stored procedures**, automating recurring business logic and reducing operational workload by around 50%.
- Created and maintained **high-availability ETL pipelines**, integrating DBT models with Jenkins CI/CD to ensure consistent deployments and improved release reliability.
- Built **Maker Checker approval workflows** to ensure secure and compliant processing of banking datasets.
- Improved **data accuracy and performance** across APIs, DBT models, Snowflake warehouses, SQL queries, and stored procedures, achieving up to around 35% improvement.
- Followed **Agile/Scrum methodologies**, participating in sprint planning, grooming, stand-ups, and retrospectives, improving delivery predictability and reducing blocker resolution time by around 25%.
- Worked closely with product, QA, developers, and stakeholder teams, consistently recognized with **on-the-spot awards** and **team excellence awards** for high-quality delivery.

Skills

- **Languages:** Python, SQL
- **Data Engineering & Warehousing :** Snowflake, DBT, Apache Spark, PySpark, Data Modeling (Star/ Snowflake schemas), ETL/ELT pipelines
- **CI/CD, Orchestration & Automation:** Jenkins
- **Web & API Technologies:** RESTful & dynamic APIs

Education

Bachelor of Technology – Electrical & Electronics Engineering

BVRIT Hyderabad College of Engineering for Women

Hyderabad, Telangana | 2019 – 2023

Projects

FlyBoo || [Flight-Booking-Analytics-Pipeline-](#)

Flight Booking Analytics Pipeline | GCP / PySpark / BigQuery / Airflow

- Built an automated ETL pipeline using PySpark on DataProc to transform raw data from Google Cloud Storage.
- Generated business insights like route-wise booking trends, booking success rates and lead time categories.
- Orchestrated with Apache Airflow and loaded data into BigQuery for warehousing and analytics.
- Enabled CI/CD deployment (dev/prod) using GitHub Actions and wrote modular, reusable code.

Certificates

- Python for Data Science - IBM Developer Skills Network