Ganesh Chandra Meesala

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Experience: 3 years

Professional Summary

Data Engineer with 3+ years of experience designing and implementing scalable ETL pipelines using Azure Data Factory, PySpark (Azure Databricks), and SQL. Skilled in data ingestion, transformation, orchestration, data quality, and performance tuning. Experience with Microsoft Fabric and Power BI for analytics and reporting.

Technical Skills

Languages & Frameworks: Python, PySpark, SQL, Pandas

Databases: Oracle, SQLServer, Postgres, Sybase

Azure & Cloud: Azure Data Factory, Azure Databricks, Azure Data Lake, Azure Blob Storage, Azure SQL, Microsoft Fabric (familiar)

Data Engineering: ETL,SnowFlake, DBT, Data Modeling, Data Quality, Azure Synapse, Databricks, ADF orchestration

Streaming & Orchestration: Apache Airflow, Kafka

Tools & DevOps: Power BI, Docker, Git, CI/CD, Terraform

AI Platforms: Open AI, Cursor

Work Experience

Cognizant Technology Solutions | Program Analyst | Mar 2023 – Present

- Implemented Azure Data Factory pipelines and PySpark jobs on Azure Databricks to ingest and transform 500K+ files into Azure Data Lake and Azure SQL, achieving 99.9% data accuracy and reducing end-to-end processing time from 38 to 8 hours (79% improvement).
- Built orchestration and scheduling using ADF triggers and Databricks job runs, enabling parallel execution, eliminating manual intervention, and reducing operational effort by 100%.
- Replaced 50+ Informatica mappings with PySpark jobs, improving throughput by 60% and reducing legacy dependency by 80%.
- Developed reconciliation and validation pipelines processing 7M+ records to ensure data consistency across systems; consolidated 40 SQL reports into a single ETL job, cutting reporting time from 4 hours to 30 minutes (87.5% reduction).

- Collaborated with data architects and analysts to design data models, implement data quality rules, and ensure compliance and security across pipelines.

Personal Projects

- DataMesh

  Built a **Natural Language to SQL engine** using **OpenAI, PySpark, and Spark SQL** to query data from **databases and cloud storage**.

  Implemented a **data discovery and retrieval layer** for structured/unstructured files, improving **ETL and data pipeline automation**.

  Optimized **distributed query execution** with **Apache Spark**, ensuring scalability and performance on large datasets.

- Spotify-to-YT Player (GitHub)

  Multi-threaded Python tool to map Spotify playlists to YouTube playback; processed 800+ songs in 55 seconds.

Certifications & Education

- Azure Data Engineer Associate (DP-203) — Preparation in progress
- B.Tech, Electronics & Communications — Gayatri Vidya Parishad College of Engineering (2022)

Achievements

- Rising Star Award (2024) — Saved $18,000 annually by optimizing senior engineer role
- Champion of Hyderabad (2024) — Recognized for technical performance and team leadership