LAVAN SAJJAN

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Impact Highlights

- Achieved up to **80% faster query execution** through SQL refactoring and indexing optimization.
- Automated ELT workflows in ADF/SSIS, reducing manual QA time by **30%**.
- Integrated **SAP ERP, WMS, and ADLS** data into Azure Synapse for unified analytics.
- Developed data validation routines improving audit accuracy and data governance.
- Supported ETL version control and CI/CD deployment pipelines via Git and Azure DevOps.

Professional Summary

Data Engineer with 2.5+ years of experience designing, optimizing, and maintaining scalable ELT pipelines and data warehouse environments. Proven record of achieving up to **80% faster query execution** and **30% reduction in QA effort** through SQL optimization and automation. Skilled in data modeling, data validation, and cloud-based orchestration (Azure Data Factory, Synapse) with transferable knowledge of AWS (S3, Redshift, Glue). Strong collaborator experienced in unifying ERP–WMS data sources for analytics and decision systems.

Core Skills

Data Engineering: Azure Data Factory (ADF), SSIS, ELT Automation, ADLS Integration, Databricks (Foundational)
Database & Modeling: Advanced T-SQL, Query Tuning, Execution Plan Analysis, Star/Snowflake Schema, Data Marts, NoSQL(MongoDB)
Programming & Automation: Python (Pandas, PySpark), Workflow Scripting, Anomaly Detection, Data Cleansing
Cloud Platforms: Azure Synapse, Snowflake, AWS (S3, Redshift, Glue – Conceptual)
Governance & CI/CD: Data Validation, Referential Integrity, Audit Routines, Git, Azure DevOps
Visualization & Reporting: Power BI, ThoughtSpot, KPI Data Alignment

Professional Experience

Esoft Labs Pvt Ltd — *Technical Consultant – Data Engineering & Automation*
Jun 2023 – Oct 2024

- Designed and deployed scalable SQL/Python frameworks to detect and reconcile anomalies in ERP–WMS datasets, enhancing integrity and audit readiness.
- Automated ELT workflows using **ADF/SSIS**, integrating data from **Azure Data Lake Storage (ADLS)** into Synapse for analytical consumption.
- Developed dimensional data marts (Star Schema) consolidating supply chain KPIs, improving traceability and consistency for BI dashboards.
- Collaborated with BI/Product stakeholders to define data lineage, metrics, and transformations supporting financial and commercial analytics.
- Managed code quality and ETL deployment using Git and **Azure DevOps CI/CD**, ensuring version control and reliable delivery.

SocialTek AI ML Business Solutions — *Full Stack Developer – Data Integrity & Optimization*
Jan 2022 – Jan 2023

- Refactored high-cost T-SQL queries, achieving **80% faster execution** via indexing optimization and execution plan tuning.
- Designed relational schemas and validation routines ensuring referential integrity across retail and logistics datasets.
- Automated Python-based ingestion and cleansing workflows, improving accuracy and reducing manual intervention.

Education

B.Tech. – Computer Science & Engineering
Sreyas Institute of Engineering and Technology, Hyderabad