

MUKKARA SIVA NANDA REDDY

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PROFESSIONAL SUMMARY

Data Engineer with nearly 3 years of experience in designing, building, and supporting data pipelines, analytical databases, and dashboards for Pharmaceutical Quality Control (QC) laboratories. Strong expertise in MS SQL Server, ETL workflows using Apache NiFi, SQL automation, and dashboard reporting. Experienced in managing end-to-end data flow from source systems to production dashboards in regulated environments.

TECHNICAL SKILLS

Databases & SQL: MS SQL Server, Complex Queries, Joins, Stored Procedures, Functions, Triggers, SQL Server Agent Jobs, Query Optimization

ETL & Data Engineering: Apache NiFi, Data Ingestion, Data Transformation, Workflow Automation, Historical and Incremental Data Processing

Data Visualization: Apache Superset, Power BI, KPI Dashboards, Management Reporting

Programming: Python (Data processing, scripting)

Deployment & Tools: IIS, Docker

Web Technologies: HTML, CSS

PROFESSIONAL EXPERIENCE

Caliber Technologies Private Limited

Software Engineer / Data Engineer | March 2023 – Present

Project: Quality Command Centre (QCC)

Domain: Pharmaceutical Quality Control (QC)

- Designed and maintained data pipelines to ingest laboratory data from Chromeleon systems into MS SQL Server databases.
- Developed ETL workflows using Apache NiFi for data extraction, transformation, and loading.
- Built and optimized complex SQL queries, stored procedures, functions, and triggers for analytics and reporting.
- Automated data refresh and scheduled processing using SQL Server Agent jobs.
- Created historical and live datasets to support KPI tracking and operational reporting across QC labs.
- Developed interactive dashboards using Apache Superset with filters and drill-downs.
- Ensured data accuracy through reusable backend logic for metric calculations.

- Coordinated with stakeholders for requirements gathering, UAT, issue investigation, and closure.
- Deployed and supported applications on IIS production servers.
- Used Docker for local development and environment consistency.
- Provided production support and troubleshooting.

EDUCATION

Bachelor of Engineering (B.E)

Saveetha School of Engineering (2017 – 2021) — 77%

Intermediate (12th)

Board of Intermediate Education (2015 – 2017) — 91.9%

Secondary School (10th)

Board of Secondary Education (2014 – 2015) — 88%

LANGUAGES

English, Telugu