

Gowreddy Manohar Reddy

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Professional Summary:

Senior Data Engineer with 3.7+ years of experience in designing and building scalable cloud-based data platforms across Services, Finance, Sales, Supply Chain and IT Domains. Strong Expertise in Data Governance, Azure Databricks, ADF, SQL and PySpark. Proven ability to develop governed data pipelines and delivered high-performance data architectures.

Technical Skills:

SQL, PySpark, Azure Data factory, Azure Databricks, SQL Server, Unity Catalog, Delta Lake, Ataccama for Data Quality, Azure Administration Designing.

Professional and Project Experience:

Senior Software Developer – Birlasoft Limited, Hyderabad (Feb 2024- Present)

Client Profile 1: The client is an American multinational information technology company that develops and provides a wide variety of hardware components, as well as software and related services to consumers.

- Guiding a team of 11 members with the requirements.
- Designing the architecture based on the requirements.
- Implementing data governance using Azure Key vaults, Scopes in data bricks, Unity catalogs, Service principles.
- Developed static Data Engineering framework to ingest data from multiple file sources (csv, xlsx, Json, xml) and from multiple Database (SAP HANA, SQL Server, My SQL, Oracle using JDBC). Which can be reused by multiple projects.
- Using Databricks API's through ADF to trigger Databricks Job Clusters via service principals as an owner.
- Performed data quality checks and transformations using SQL only.
- Worked on multiple end-to-end Data Engineering projects across Services, Finance, Sales, Supply Chain and IT Domains domains.
- Creating delta or parquet tables based on the necessity and requirement for cost optimization.
- Using Databricks SQL Warehouses and Serverless clusters instead of Classic Job Clusters for cost and performance optimization.
- In Finance Domain, Ingested Data into ADLS and loading data into multiple Delta tables, then joining and transforming data for PBI reporting.
- Using Advanced SQL for creating a Stored Procedure in Azure SQL Server to provide output as JSON structure.
- Processed Service Domain JSON Source Files (4-8 MB each) containing deeply nested JSON structures in few columns, loading those data into Parquet and Delta Tables as a 1 file 1 row, Encrypting PII data through using Databricks Functions.
- Extracted, Flattened and normalized nested JSON data using Advanced SQL only.
- Performed Data Cleansing, Standardization and generating refined JSON files using PySpark for AI DaVinci Model. Utilizing Databricks notebooks for complex transformations and for performance optimization to generate the JSON Files
- Orchestrated end-to-end workflows using Azure Data Factory to send files to the Blobs where DaVinci reads it and logged the file names for auditing. Copying the files from Source and from DaVinci Output.

- Loading DaVinci output JSON data and parsing it for PBI Reporting.
- Implemented DQ Rules using Ataccama, Identifying and tracking DQ issues in delta tables for maintaining high quality data.
- Using git for deployments through CI-CD Pipelines.

Data Analyst – LatentView Analytics, Chennai (Sep 2022 – Feb 2024)

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- Providing Alternative solutions to the old customer service data warehouse. → SQL Optimization on complex queries. Applying various automatic techniques like Optimize, Vacuum, Purging Mechanism.
- Enhancements on Automated Talend jobs, ADF pipelines and Databricks Notebooks. → Build effective databricks job which loads data from ADLS to Delta Lake and moves data from ADW, EDL to Delta.
- Encrypting and decrypting the data in cloud while moving from EDL. Which can be decrypted on fly.
- Modifications on Talend Jobs and Azure Pipelines, which moves data from one platform to another on fly.

Education Details:

Qualification	Specialization	Institution & Place	Year of Passing	Board/University	Percentage (%)
B. Tech	CSSE-Internet of Things (IoT)	School of Engineering and Technology, Bangalore	2022	Jain University	9.110 CGPA
12 th Std	MPC	Sri Gayathri Educational Institutions, Hyderabad.	2018	TS-BIE	92.4%
10 th Std		Lotus Lap play/public School, Hyderabad	2016	TS-SSC	8.0 CGPA

Certifications:

- DP-700 Microsoft Certified: Fabric Data Engineer Associate
- Databricks Accredited Lakehouse Fundamentals
- Advanced Python
- Bootcamp Certification on Internet of Things by Atom Software Solutions

Personal Details:

Date of Birth: 2001-08-25

Gender: Male

Language Known: English, Telugu

Hobbies: Playing Badminton, Chess, Watching movies.