Mano Harsha Davuluri

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- **SUMMARY**: Data Engineer with 2.5+ years of experience building large-scale, resilient data platforms and ETL/ELT pipelines. Specializes in cloud-native data lakes, dimensional data modeling, and Batch processing using Spark, AWS, ML Models and Databricks. Proven expertise in leading cross- functional teams and translating complex business requirements into scalable data solutions. Demonstrated success in optimizing performance, implementing data governance and data driven innovation across enterprise environments.

Technical Skills

- **Cloud & Platforms**: AWS (S3, Glue, EMR, Lambda, Redshift, DynamoDB, EC2), Databricks, Apache spark.
- **Data Warehousing & Storage**: Amazon Redshift, SQL, DynamoDB, Delta Tables, Data Lakehouse, Data Lakes, Parquet.
- **Programming**: Python, SQL, PySpark, DBT, Shell Scripting, JSON, YAML.
- **Big Data & ETL Tools**: Spark, Delta Lake, Airflow, Hadoop.
- **Data Modeling & Architecture**: Dimensional Modeling, Star/Snowflake Schema, Data Governance, Cloud Security.
- **Development & Collaboration Tools**: Jira, Git, Bitbucket, Docker, CI/CD pipelines, Jenkins, Agile methodologies.

Certification

- **Databricks Certified Data Engineer Associate**

EXPERIENCE SUMMARY

Data Engineer II, Epsilon
Bangalore, India | March 2025 – Current

- Designed and implemented comprehensive Data Quality framework for Prospect project, incorporating automated discrepancy detection and real time alerting mechanisms to ensure data integrity and compliance.
- Constructed scalable ETL/ELT data solutions processing over 150+ billions record daily into data lakes and warehouses using spark, developed ML Models enhancing decision-making and resulting in **25**% boost in quarterly revenue.
- Optimized and tuned Spark jobs for large-scale datasets (**30+** TB), implementing performance best practices and reducing infrastructure costs by **46**%.
- Collaborated with cross-functional teams to establish data governance standards and implement CI/CD pipelines for automated data processing workflows.

Data Engineer I, Epsilon
Bangalore, India | August 2023 – March 2025

- Built end-to-end data pipelines encompassing Ingestion, extract-transform-load processes, data archiving, warehousing and reporting automation using Apache Spark on Databricks Delta tables.
- Collaborated with solution architects and business stakeholders to design and implement complex ML models for predictive analytics and BI solutions.
- Leveraged comprehensive AWS ecosystem including EMR, Glue, Lambda, S3, Redshift and DynamoDB for efficient data processing and storage based on client requirements.

EDUCATION QUALIFICATION

- **Bachelor of Technology –** Electrical and Electronics Engineering
  NIT Surathkal, Karnataka, India | 7.32 CGPA