MURALI MUNIREDDY
DATA ENGINEER

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SUMMARY

Data Engineer with over 3 years of hands-on experience in designing, building, and maintaining ETL pipelines using PySpark and AWS cloud services. Proficient in data processing, transformation, and modeling with a solid understanding of data warehousing concepts. Experienced in working with large datasets on AWS platforms like S3, Redshift, Glue, EMR, and Lambda. Strong background in implementing CI/CD processes and tools, with knowledge of big data technologies and real-time data processing. Adept at working in agile environments, collaborating with cross-functional teams, and leveraging modern data engineering solutions to deliver impactful insights.

PROFESSIONAL EXPERIENCE

Tata Consultancy Services (TCS) - Bangalore   **July 2022 – Present**
Data Engineer

- Designed and maintained ETL pipelines on AWS using PySpark, processing and transforming large datasets to support business analytics.
- Implemented data processing workflows using AWS Glue, EMR, and Lambda, optimizing data processing and reducing latency by 30%.
- Managed data storage solutions on AWS S3 and Redshift, ensuring efficient data retrieval and storage for analytical purposes.
- Developed data models and data warehousing solutions, improving data accessibility and query performance across the organization.
- Monitored and optimized data pipelines, proactively identifying and resolving issues to ensure uninterrupted data operations.
- Implemented best practices for data validation, error handling, and logging, enhancing the reliability and maintainability of data pipelines.

Tata Consultancy Services (TCS) - Bangalore   **May 2021 – June 2022**
ETL Developer

- Implemented data pipelines and workflows for source-to-target transformations, optimizing ETL processes to meet client business requirements.
- Collaborated with cross-functional teams to design and deploy scalable data models, ensuring alignment with organizational data strategies.
- Optimized SQL queries and database performance for large-scale datasets, reducing processing time and enhancing data retrieval efficiency.
- Provided technical support and guidance for data ingestion and processing solutions, focusing on end-to-end data engineering tasks
- Optimized data models and architectures in Datawarehouse and relational databases, improving query performance and data accessibility.

EDUCATION

Bachelor of Engineering (8.83 CGPA)

Sona College of Technology, Salem, Tamil Nadu.   (**2016 – 2020**)

SKILLS

Big Data Technologies: Apache Hadoop, Apache Spark, Hive, HDFS, Apache Sqoop.
Programming Languages: Python, Pyspark, SQL.
Cloud Platforms: AWS (S3, Redshift, Glue, EMR, Lambda, Kinesis)
Databases: Oracle (19c & Exadata), IBM DB2, MongoDB (NoSQL), Teradata (Data Warehouse).
Orchestration & Automation: CI/CD, Git, Shell Scripting, DevOps, SDLC.
Data Integration & ETL Tools: Informatica PowerCenter, IICS, Azure ADF.
Data Streaming Tools: Spark Streaming, Apache Kafka (Fundamentals).
Data Warehousing & Management: Data Modeling, Data Warehousing, Dimensional Modeling, Data cleansing, SCD, Data Lake.

CERTIFICATIONS

- AWS Essentials Hands-on learning (Udemy).
- Taming Bigdata with Apache Spark and Python (Udemy).
- Hive to Advance Hive Hands-on (Udemy).
- DevOps CI/CD for beginners (Udemy).

ACHIEVEMENTS AND AWARDS

- Received On-Spot and Employee of the Month Award.
- Received client satisfaction appreciation award for delivering highly efficient product within prescribed ET by adhering to SLA.
- Received the "Outstanding Data Engineer" award at TCS(Client) for exceptional contributions to data engineering.