Mounika Reddy Banda
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TECHNICAL SKILLS

Google Cloud Platform	: BigQuery, Cloud Storage, Cloud Composer, Dataflow, DataPrep.
Other Clouds	: AWS, Microsoft Azure.
Big Data Ecosystems	: Hadoop HDFS, Hive, Sqoop, Spark Core, Spark SQL.
Databases	: Oracle, PostgreSQL, MySQL, SQL.
NOSQL Databases	: HBase, Bigtable.
Programming language	: Python, Scala.
Other Tools	: IntelliJ IDEA, PyCharm, Visual Studio.
Operating Systems	: Linux, Windows.

CERTIFICATIONS

- Google Cloud Professional Data Engineer.
- Associate Cloud Engineer.
- Google Cloud Digital Leader.
- Exponential Tech AMS – IOT(*IBM)*.

WORK EXPERIENCE

GCP Data Engineer @ IBM February 2022 – August 2023

Client : United Parcel Service (UPS)

- Accomplished a 20% improvement in data processing efficiency, minimized query execution time by developing custom BigQuery User-Defined Functions (UDFs) to meet specific business requirements.
- Delivered a 30% improvement in data fetching speed and a 15% decrease in storage costs, improved query performance and lower storage expenses by establishing BigQuery tables with optimized partitioning and clustering strategies.
- Ensured code integrity and led collaboration among team members, maintained effective codebase management within version control systems, such as Git.
- Enhanced overall workflow efficiency by reducing manual intervention by 40%, decreased manual data process execution through Jenkins automation.

Client : Ericsson

- Maximized data loading efficiency by 25%, reduced data loading time by efficiently extracting data from the source and ingesting it into BigQuery using Dataflow, streamlining the ingest layer.
- Upgraded data accuracy and consistency by 20% and pioneered data quality through the implementation of SQL merge statements at the Core layer, facilitating the processing of transformed data.
- Designed and implemented 10+ views within the semantic layer, enhancing data accessibility and providing a user-friendly interface for analytics and reporting.

GCP Data Engineer @ Accenture Solutions Private Limited January 2021 – January 2022

Client : Royal Mail Group

- Successfully executed tasks related to data product development, including data writing to BigQuery, transformed Teradata queries into BigQuery queries, resulting in a 30% reduction in data processing time.
- Processed data pipeline execution to maintain 100% uptime, met project timelines and efficient data loading into BigQuery, established Directed Acyclic Graphs (DAGs) in Cloud Composer for scheduling through Airflow.
- Demonstrated proficiency in debugging and data validation for multiple data products, ensuring data accuracy and reliability, and minimizing potential errors in the data pipeline.

GCP Data Engineer @ Datametica September 2019 – December 2020

Client : Macys

- Converted source code from Oracle and Teradata to ensure 100% compatibility with BigQuery, allowing for a seamless transition and efficient data processing.
- Managed the data loading process into BigQuery, optimized data transfer and storage, and enhancing data accessibility to 1000+ servers.
- Established Directed Acyclic Graphs (DAGs) in Cloud Composer to facilitate efficient scheduling of jobs everyday and automated data-related tasks, improving overall workflow management.

Client : Humana

- Enhanced data compatibility and processing efficiency as measured by successfully transforming existing source code, ensuring seamless operation with BigQuery, and improving data compatibility and processing efficiency by 40%.
- Restructured data transfer, maintained data integrity as measured by efficiently managing the data loading process into BigQuery, achieved 50% improvement in data transfer speed, reduced storage costs by 25%.
- Improved overall workflow management and efficiency by creating and managing Directed Acyclic Graphs (DAGs) in Cloud Composer, resulting in a 60% reduction in manual intervention.

Client : Target Corporation USA

- Accelerated business analysis by 30% through Spark RDD transformations, enhancing data processing and insights generation.
- Boosted query execution speed by 25% by converting Hive/SQL queries into Spark transformations using Spark SQL and Scala.
- Played a key role in transferring data to a Relational Database Management System (RDBMS) using Spark SQL, ensuring seamless data integration and accessibility for further analysis.

EDUCATION

Texas Tech University @ Lubbock, Texas Aug 2023 – Aug 2025

Masters in Computer Science