Raj Kumar Maurya

GCP Data Engineer

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Profile Summary

Experienced GCP Data Engineer with over 3+ years of expertise in designing, developing, and optimizing cloud-based data pipelines. Proficient in building scalable ETL/ELT workflows using Google Cloud Platform (GCP) services such as BigQuery, Dataflow, Pub/Sub, and Cloud Storage. Strong technical skills in Python, SQL, PySpark, and experience in debugging and performance optimization. Proven ability to lead teams and deliver complex data migration and analytics solutions across various industries, including e-commerce and logistics.

Technical Skills

**Cloud Platforms**: GCP: BigQuery, Dataflow, Cloud Storage, Pub/Sub, Cloud Functions, Firestore, Dataproc, Azure: Databricks, Azure DevOps,Git/Github

**Programming Languages:** Python, SQL, PySpark

Other Skills: ETL/ELT, Data Warehousing, Data Pipelines, Data Migration, Data Quality, Agile Methodologies, DevOps

Professional Experience

Project Name - Logistics Data management

Client - **CN rail**

Role -GCP Data Engineer

Duration -June 2023 – Oct 2024

● Took ownership of the data ingestion process, reducing downtime by 20%.

● Designed and implemented ETL processes to extract, transform, and load data from diverse sources into GCP.

● Developed data pipelines with BigQuery, Dataflow, ,Cloud Function,Cloud Storage, and Python, improving data processing speed by 30%.

● Created stored procedures in BigQuery, reducing data transfer times by 15%..

● Worked extensively on developing a Data Quality Framework using PySpark, Dataproc, and BigQuery.

● Led a team of 3 junior engineers, increasing project delivery speed by 40% and processing over 1 million records daily.

● Optimized data processing workflows for performance and cost efficiency, contributing to a 15% reduction in pipeline latency.

● Worked on testing (UAT, SIT, Unit Testing) and troubleshooting data pipelines to ensure reliability.

Project Name: Mondelez USL (Epos & Walmart Data Migration)

Client: **Mondelez**

Role- Data Engineer

Duration - April 2022 – May 2023

● Designed, implemented, and optimized data pipelines for batch data ingestion into BigQuery .

● Ensured data quality, consistency, and accuracy through rigorous testing and data lineage tracking.

● Collaborated with business stakeholders to deliver data solutions aligned with business objectives.

● Supported data science initiatives by providing data extracts and harmonizing datasets for analytics.

● Contributed to performance optimization, improving data ingestion speed by 20%.

● Key Skills: ETL/ELT, BigQuery, Dataflow, SQL, Python, Agile, DevOps, Data Quality, Data Lineage, Data Warehousing.

Project Name : POS -Core Data Loading

Client -**Proctor and Gamble**

Role -Data Engineer

Duration - October 2021 – March 2022

● Developed and managed core data load (CDL) jobs, improving data movement efficiency.

● Conducted requirement analysis and development based on user requirements for optimized ETL processes.

● Led the monitoring and troubleshooting of ETL jobs, ensuring timely issue resolution.

● Tools and Technologies: Python, SQL, Cloud Storage, Databricks, GCP, Azure, Snow for ticket raising.

Certifications

● Google Certified Professional Data Engineer

● Infosys Certified Python Programmer

● Infosys Certified Google Cloud Architect Professional

● Infosys Certified MySQL Associate

● Infosys Certified Google Associate Cloud Engineer

● Infosys Global Agile Developer Certification

● Microsoft Azure Fundamentals (AZ-900)

● Microsoft Data Fundamentals (DP-900)

Education

Dr. APJ Abdul Kalam Technical University, Lucknow July 2017 – August 2021

* B.Tech in Information Technology