

Venkatasai Pasupuleti

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Professional Summary

- 3 years in cloud data engineering (Azure, Snowflake, GCP BigQuery)..
- Expertise in ETL/ELT pipelines using Azure Data Factory, Azure Data Lake, and Snowflake.
- Proficient in SQL (MySQL, Oracle), Python, and data warehouse architectures
- Experience on migration SQL database , Azure data lake ,Azure data lake Analytics ,Azure SQL Database controlling and granting database.
- Certified SnowPro Core professional with hands-on SCD2 implementation.
- Hands-on experience with Google Cloud Storage (GCS), BigQuery, and Cloud Data Fusion, with strong proficiency in managing access controls using GCP IAM services.
- Hands-on experience with Terraform for provisioning and managing infrastructure, including Google Cloud Storage (GCS), ETL data pipelines, virtual machines (VMs), and Snowflake.
- Successfully migrated Teradata to BigQuery with optimized SQL and minimal downtime.
- Knowledge of Power BI reporting, data validation, and documentation skills.

Experience

Data Engineer, Nimbus Insights – Vijayawada, AP Jun-2024– present

- Built scalable Azure Data Factory pipelines to ingest/transform data into Snowflake.
- Orchestrated workflows using ADF triggers and parameterized data flows.
- Implemented SCD Type 2 tables in Snowflake for historical tracking.
- Hands-on Experience in Implementing the Medallion Architecture
- Developed an automation script to compare two tables in Snowflake.
- Built an ETL pipeline using Snowpipe, Streams, and Tasks to process data at scheduled time intervals.
- Automated Snowflake infrastructure provisioning using Terraform, including table creation, data loading, and stage configuration.

Software Engineer, HCL – Chennai, TN Jan-2022 – jun 2024

- Led Teradata → BigQuery migration, rewriting SQL logic for GCP compatibility.
- Automated data ingestion via ADF → GCS → BigQuery, ensuring data integrity. validation scripts to verify data quality post-migration.
- Documented processes and communicated updates to stakeholders.
- Teradata SQL scripts to BigQuery SQL, ensuring compatibility and optimization for BigQuery.
- Address any differences in SQL syntax and functionality between Teradata and BigQuery.
- Load the transformed data into Google Cloud Storage as an intermediary step.
- Use BigQuery's data loading tools to import data from Google Cloud Storage into BigQuery tables
- Perform thorough testing to validate the accuracy and completeness of the migrated data.
- Compare data between Teradata and BigQuery to ensure consistency and correctness.

Technologies

Languages: python , SQL , BQSQL, SNOWSQL, Terraform

Database: SQL, Microsoft SQL Server, CLOUDSQL,

Warehouse: Snowflake , BigQuery , Azure Synapse Analytics

Scripting: Powershell

Cloud: Google cloud platform, Azure, AWS

Projects

Car-Manufacturing Raw Material Utilization

- Data pipelines, and triggers. Additionally, adept at data mapping and implementing ETL Extract, Transform, Load processes.
- Implemented Medallion Architecture in Snowflake to streamline data processing and improve data quality across Bronze, Silver, and Gold layers.
- Designed and developed data pipelines using Azure Data Factory to ingest and transform raw data into Snowflake tables.
- Built a time-triggered ETL pipeline using Snowpipe, Streams, and Tasks to support Change Data Capture (CDC) and ensure near real-time data processing.
- Developed an automation script to compare and validate data consistency between two Snowflake tables.
- Configured and managed external stages across multiple cloud platforms including AWS S3, Azure Blob Storage, and Google Cloud Storage (GCS) for seamless data integration.

Teradata to BigQuery Migration

- Evaluated the existing Teradata environment, including tables, views, and stored procedures.
- Developed a detailed migration plan, outlining the steps and timeline for the migration process.
- Used Teradata SQL to extract data and ensured data integrity and consistency.
- Converted Teradata SQL scripts to BigQuery SQL, addressing syntax and functional differences.
- Loaded transformed data into Google Cloud Storage as an intermediary step.
- Imported data into BigQuery and validated consistency across both platforms.

Education

Ramireddy subbaramireddy Engineering college (JNTU-A)

july 2017 – july 2021

- GPA: 7.21
- **Stream:** Computer Science Engineering

Certification

Snowpro core
Certification Credentials

April 2025 -April 2027