**SARVANI M**

 m.sarvani2959@gmail.com

 (682) 334-2959

**PROFESSIONAL SUMMARY**

* Around 8+ years of highly qualified professional experience in Analysis, Design, Development, and Implementation.
* Toiled with advanced Snowflake functionalities like Materialized views, Streams, Snowpipe & Masking Functions.
* Proficient in AWS Cloud infrastructure services like EC2, S3, EMR, AWS Glue, Redshift.
* Hands on experience working Amazon Web Services (AWS) using Elastic Map Reduce (EMR) and EC2 for data processing, SNS, SES, SQS.
* Proven expertise in deploying major software solutions for various high-end clients meeting the business requirements such as big data Processing, Ingestion, Analytics and Cloud Migration.
* Hands on experience on Unified Data Analytics with Databricks, Databricks Workspace User Interface, Managing Databricks Notebooks.
* Hands on experience on Azure Data Factory, Azure Data bricks, Azure SQL, Azure Synapse, Azure Key-Vault, Azure Blob Storage, Azure Data Lake Gen2.
* Expertise in creating Spark Applications using Python (PySpark).
* Experienced with the Spark improving the performance and optimization using Spark Context , Spark-SQL , Dataframe API , Spark Streaming and worked explicitly on PySpark.
* Experience working with Snowflake Multi cluster and virtual warehouses in Snowflake.
* Developed ETL pipelines in and out of data warehouse using Snowflakes Snow SQL by writing SQL queries against Snowflake database.
* Good experience in Extraction, Transformation and Loading (ETL) data from multiple database sources.
* In-depth knowledge of Snowflake Database, Schema and Table structures.
* Good understanding of data modeling (Dimensional & Relational) concepts like Star-Schema Modeling, Snowflake Schema Modeling, Fact and Dimension tables.
* Extracted data from different sources including Excel, Teradata, Oracle and SQL Server.
* Thorough Knowledge in creating DDL, DML and Transaction queries in SQL.
* Utilized Joins and sub-Queries to simplify complex queries involving multiple tables while optimizing procedures and triggers to be used in production.
* Experience in writing Subqueries, Stored procedure, Triggers and Functions on SQL.
* Created extensive joins for data blending from several different data sources.
* End to end experience in designing and deploying data visualizations using Quick sight/Power BI.
* Strong knowledge of Software Development Life Cycle and expertise in detailed design documentation, Experience in working with agile team.
* Strong skills in analytical, presentation, communication, problem solving with the ability to work independently as well as in a team and had the ability to follow the best practices and principles defined for the team.

**TECHNICAL SKILLS**

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| --- | --- |
| Programming Languages | PL/SQL, Python, PySpark. |
| BI tools | Quicksight Business Intelligence/Power BI, One Automation. |
| Databases | Teradata, MYSQL, Postgres SQL, Oracle, Snowflake. |
| Cloud Computing Tools | Amazon AWS EC2, S3, EMR, AWS Glue, Redshift.Azure Data lake, Data factory, Azure Synapse, Azure Databricks, Azure SQL database, Azure SQL Datawarehouse. |
| Database Tools | Enterprise Manager, Teradata SQL Assistant, SQL Server Management Studio, SQL developer (oracle). |
| IDE | Visual Studio Code, Cloud9 IDE, Jupyter Notebook, PyCharm. |
| Operating Systems | Mac OS, Windows XP-7,8, Vista |

**PROFESSIONAL EXPERIENCE**

**Position: Data Engineer Oct 2021 – Present**

**Company: Charter Communications (Spectrum)**

## Roles & Responsibilities:

* Handling Data Migration and Programming - using SQL Scripts, snowflake and worked on loading the data from multiple sources to snowflake.
* Tokenization/De-Tokenization using Protegrity functions to enable authorization based on the role.
* Toiled snowflake streams to keep track of changes to data in database objects.
* Utilized Amazon S3 as a central repository for diverse data sources, including structured and semi-structured data.
* Ensuring Data Governance by spot checking data across tables using python scripts.
* Develop python scripts to connect various databases (Teradata, SQL Server Management Studio, Snowflake) in order to retrieve and consolidate the data.
* Develop python scripts to access amazon S3 source data that is used to load the data to different databases.
* Collaborated with cross-functional teams to identify data sources, understanding data schema, format, and access requirements.
* Developed SQL scripts to Upload, Retrieve, Manipulate, and handle sensitive data in Oracle, MySql and Snowflake Databases.
* Import, export and analyze large data sets in multi-million-row databases.
* Migrating data from legacy systems to new databases like Snowflake. Keeping au fait with the latest developments in Data base management tools and technologies.
* Responsible for code quality and smooth data migration.
* Developed transformation logic to cleanse, validate, and enrich data in Snowflake before loading into target locations.
* Established seamless integration between Amazon S3 and Snowflake data warehouse.
* Created and managed Snowflake stages and file formats for efficient data loading and querying.
* Designed and developed stored procedures to create and manage complex views in the database.
* Collaborated with the query optimization team to fine-tune stored procedure logic and enhance the efficiency of the views, resulting in improved query performance.
* Experience with Cron jobs and One Automation tool for scheduling jobs as required.
* Responsible to translate business needs into complex analysis designs and recommendations.
* Required to perform complex multiple tasks while insuring seamless cross-functional support across the organization.

**Environment:** Database Technologies (MySQL, Oracle, Snowflake), Python, PySpark, AWS S3, Glue, EC2, SQL, Stored Procedures, One Automation.

**Company: Amazon Development Center June 2016 – Oct 2021**

**Position: Data Analyst**

## Roles & Responsibilities:

* Collaborated with various teams to gather all the information needed for data analysis and involved in all aspects like data collection, data cleaning, developing models, visualization.
* Worked on huge data sets, with a focus on data manipulation, and exploration using SQL.
* Developed, modified, and managed databases, schemas, tables and used Joins and Sub-Queries to simplify the complex queries involving multiple tables.
* Develop the ETL using AWS Glue and query the data using Athena.
* Experience to manage IAM users by creating new users, giving them a limited access as per needs, assign roles and policies to specific user.
* Troubleshooting for database-related issues to ensure minimal downtime and optimal performance.
* Performed end-to-end architecture & implementation assessment of various AWS services like Amazon EMR, S3.
* Used AWS EMR to transform and move large amounts of data into and out of other AWS data stores and databases, such as Amazon Simple Storage Service (Amazon S3).
* Used SQL and Excel to ensure data quality and integrity. Identified and eliminated duplicates and inaccurate data records.
* Knowledge on different Python module libraries, packages like Pandas data frame.
* Analysed the sql scripts and designed it by using PySpark SQL for faster performance.
* Experienced in performance tuning of Spark Applications for setting right Batch Interval time, correct level of Parallelism and memory tuning.
* Performed transformations on large data sets in databricks.
* Performed Data profiling, preliminary data analysis and handled anomalies such as missing, duplicates, outliers, and imputed irrelevant data.

**Environment:** SQL, AWS (EC2, S3, EMR, GLUE, Athena), Databricks, Python, PySpark, Quicksight.

**Position: MIS Workflow Analyst**

## Roles & Responsibilities:

* Prepare excel reports on daily basis on how business has been performing.
* Publish Business Review reports for all CS sites operated by Amazon in India, China and Japan.
* Design and handle subscriptions on Micro-strategy.
* Handling tickets on reports and the data flourished in the reports, by acting as a bridge between operations and Data Engineer teams who work on building datasets.
* Monitoring multiple SQL job-runs on Data central.
* Delivering results on time which benefit client’s experience and improve trust on our services.
* Preparing deployment documents and involving in production deployments.
* Charting and graphing of data for reporting purposes. Data collection, Data mining and problem solving.
* Build reports on Amazon Quick Sight and Creating rich dashboards using Quicksight.
* Gathering requirements from Business users, understanding the functionality & business rules.
* Developing data model to create reports and dashboards.
* Developing worksheets with different styles like bar, pie, tree map, dual axis, filled maps.
* Implementing the reports with best practices to improve the report performance.
* Publishing dashboards on Quicksight and managing access for users and their queries.
* Managing KTs to multiple stakeholders and communicating change to the teams effectively.

**Environment:** Amazon Quicksight, S3, SQL.

**CERTIFICATIONS**

**Microsoft Certified**: Azure Data Engineer Associate (DP-203)

**EDUCATION**

Bachelor of Engineering in Information Technology July 2012-May 2016

-Osmania University, India