**M.RAJESH**

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## **Professional Experience:**

* Overall 4.2 Years of professional IT experience in this area of SQL Developer and Snowflake cloud data warehouse. Having 3.4 years of Professional experience in MySQL database, and Snowflake cloud data warehouse development.
* Proficient in various aspects of relational database management systems (RDBMS), I excel in tasks such as data loading through tools like Data Build Tool (DBT) and executing MySQL queries.
* Proficient in various aspects of relational database management systems (RDBMS), I excel in tasks such as data loading through tools like Data Build Tool (DBT) and executing MySQL queries.
* Designing and implementing data warehousing solutions using Snowflake and DBT, ensuring efficient data transformation and modelling processes.
* Designed and automated data ingestion processes into Snowflake using DBT.
* Developed DBT models, materializations, and seed concepts within the DBT development IDE.
* Maintained and enhanced DBT models to transform raw data into structured datasets for analytical purposes.
* Designed and developed DBT models aligned with specific business requirements and objectives.
* Implemented incremental models within DBT to optimize data processing efficiency.
* Developing and maintaining DBT models, macros, and testing using SQL, contributing to streamlined data processing workflows and improved data quality.
* Incorporated comprehensive testing mechanisms within DBT to validate data quality and ensure compliance with business rules.
* Documented DBT models and transformations to provide detailed insights into their purpose, logic, and business context.
* Knowledge on Python scripting.
* Understanding customer requirements, analysis, design, development and implementation into the system, gather and define business requirements and enhancing business processes.

**Technical Skills:**

**Cloud Data warehouse :Snowflake.**

**DBT : Data Build Tool**

**ETL Tool : Talend Knowledge.**

**Databases : Oracle 11g/10g.**

**Development Tools : SQL Developer.**

**Programming Languages: Oracle SQL.**

**Operating Systems : Windows 10, UNIX, Linux**

**Cloud Solutions architect**: AWS EC2 Container Service, S3 Bucket

**Scripting language** : Power Shell.

**Ticketing Tools** : Service Now

**Professional Qualification:**

* **B.Com** (computers). Sri Vani Degree Collage 2015.
* **MBA SK.University** Anathapur 2018.

**Experience Summary:**

* **Working in** **WIPRO Technology Private Limited as a** **Snowflake Developer and DBT** from **Feb 2021 To** **Till**

**Project 1:**

**Project and Customer**: :**Fedex Express Corp FAMIS Re-Platform - Development Support.**

**Environment :Snowflake , DBT, SQL,AWS S3.**

**Description:-**

FedEx Corporation, formerly Federal Express Corporation and later FDX Corporation,

is an American [multinational](https://en.wikipedia.org/wiki/Multinational_corporation) [conglomerate](https://en.wikipedia.org/wiki/Conglomerate_(company)) [holding company](https://en.wikipedia.org/wiki/Holding_company) focused on [transportation](https://en.wikipedia.org/wiki/Package_delivery),

[e-commerce](https://en.wikipedia.org/wiki/E-commerce) and [business services](https://en.wikipedia.org/wiki/Service_(economics)) based in [Memphis, Tennessee](https://en.wikipedia.org/wiki/Memphis,_Tennessee).

**Responsibilities:**

* Responsible for all activities related to the development, implementation, administration and support of ETL processes for large scale Snowflake cloud data warehouse.
* Developed and maintained DBT models, including incremental and full load models, macros, and conducted testing using SQL.
* Create task flows to automate the data loading/unloading to/from Snowflake data warehouse and AWS S3.
* Created Snow SQL queries utilizing merge statements for incremental data loading.
* Deployed Snow pipes for real-time data ingestion, ensuring smooth and automated data flow.
* Configured and optimized Snow pipe settings to enhance performance and reliability.
* Monitored and adjusted Snow pipe configurations to accommodate changing data volumes.
* Developed and managed custom file formats tailored to diverse data structures.
* Ensured compatibility with various data sources and optimized file formats for efficient storage.
* Conducted regular reviews and updates to file formats in response to evolving data requirements.
* Designed and executed Data Definition Language (DDL) scripts for Snowflake databases.
* Implemented version control for DDL scripts to maintain consistency across environments.
* Collaborated with the data modelling team to design and implement efficient database schemas.
* Engineered and optimized stored procedures for complex data transformations and business logic.
* Ensured stored procedures adhered to best practices and performance optimization techniques.
* Collaborated with the development team to integrate stored procedures into data workflows.
* Configured and scheduled recurring tasks for routine data maintenance and optimization.
* Automated critical data processing tasks using Snowflake tasks to improve efficiency.
* Monitored and troubleshooted task executions across environments.
* Implemented robust data masking policies to protect sensitive information.
* Configured dynamic data masking based on user roles and permissions to maintain security standards.
* Conducted regular audits to assess the effectiveness of data masking policies.
* Integrated Snowflake tasks seamlessly into Apache Airflow Directed Acyclic Graphs (DAGs) for streamlined workflow orchestration.
* Managed dependencies and scheduling intricacies within Airflow to optimize task execution.
* Developed error-handling mechanisms to enhance the reliability of Airflow DAGs.
* Integrated Snowflake projects with GitHub to facilitate collaboration and version control.
* Managed branches, pull requests, and code reviews to ensure code quality and consistency.
* Implemented Continuous Integration/Continuous Deployment (CI/CD) pipelines for Snowflake scripts to improve the development lifecycle.

**Project 2:**

**Project and Customer**: **Melbourne Water**

**Environment: Snowflake Cloud Data warehouse, SQL Developer AWS S3.**

Melbourne Water is a Victorian government owned statutory authority that controls much of the water system in Melbourne, Victoria, Australia, including the reservoirs, and the sewerage and drainage system that services the city.Melbourne Water was formed by the merger of Melbourne and Metropolitan Board of Works and a number of smaller urban water authorities in 1992.

**Responsibilities:**

* Developed Snow SQL queries utilizing merge statements for incremental data loading.
* Demonstrated expertise with various Snowflake concepts, including SnowSQL, Snow Pipe, Tasks, Streams, Time Travel, Optimizer, and data sharing.
* Established and managed various stages, including internal and external stages, for data loading from diverse sources such as S3 and on-premise systems.
* Conducted experience gathering and analysis to identify project requirements effectively.
* Possess good knowledge of SSIS Packages.
* Created views, materialized views, and secure views tailored for reporting purposes.
* Demonstrated proficiency in loading and unloading data from diverse sources.
* Experienced in bulk loading and configuring Snow pipe for efficient data ingestion.
* Skilled in creating various tables and stages within the Snowflake environment.
* Familiarity with Snowflake administration tasks.
* Developed SQL queries based on customer requirements utilizing various join techniques.
* Developed SQL queries based on customer requirements utilizing various join techniques.
* Participated in daily stand-up meetings to provide updates on project progress.
* Utilized DBT tasks extensively for efficient data transformation and modelling processes, including the creation and maintenance of DBT models, macros, and testing using SQL.
* Contributed to the creation of design documents and requirements for enhanced project visibility.
* Creating s analysis and resolution of critical issues
* Involved in data analysis and handling ad-hoc requests by interacting with business analysts, clients and resolve the issues as part of production support
* Preparing weekly, monthly and quarterly status reports to update customer about team’s accomplishments.
* Conducting training and Knowledge sharing sessions for Testing team and Production support teams
* Worked on custom roles that has been created by securityadmin role
* Worked on .Bat files for executing sql files.
* Worked on import and export to load the dump files to the schemas.
* Gathering requirements and provide estimation to the onshore team.
* Wrote dynamic SQL queries to create database objects dynamically.