Praneeth Kumar Darji

Snowflake Data Engineer

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PROFESSIONAL SUMMARY

IT Professional with over 9 years of experience in Analysis, Design, Development, Implementation, Maintenance, and Optimization of complex data engineering and database solutions across OLTP/OLAP systems using Snowflake, DBT, Python, Oracle PL/SQL, and AWS.

- Expertise in developing and optimizing database solutions using Snowflake, DBT, Python, AWS
- Core expertise in Snowflake, PL/SQL, DBT, Unix, Shell Scripting, along with Embulk and Digdag for data integration and workflow automation.
- Designed and developed complex Snowflake Procedures, Steams, Tasks, Snowpipe, AWS integration. Worked with most of the components of DBT like Models, Macros, Snapshots, sources, Pre-hook
- Expertise in both ETL (Extract, Transform & Load) and ELT (Extract, Load and Transform).
- Hands-on experience with DBT (Data Build Tool) for modular SQL transformations, testing, and implementing CI/CD-based data pipeline automation.
- Proficient in AWS services such as S3 (Data Lake), Athena etc. for scalable data ingestion, transformation, and querying.
- Strong understanding of data modeling, normalization, and performance tuning techniques for both on-premises and cloud-based data warehouses.
- Skilled in building and scheduling Shell Scripts for data processing, job orchestration, and automation and Exception handling.
- Deep knowledge of query optimization, execution plans, partitioning, indexes, materialized views, and analytical functions.
- Created Shell Scripts for invoking SQL scripts and scheduled them using crontab & Autosys.
- Proficient in using Git for version control and integrating with CI/CD workflows for automated deployments.
- Experience working with Oracle, MySQL, PostgreSQL, and Snowflake databases in production environments.

TECHNICAL SKILLS

Operating Systems: Linux, Windows, MacOS
Databases / Data Warehousing: Snowflake, Oracle, PostgreSQL, MySQL, SQL Server
Languages: SQL, PL/SQL, Python, Linux Shell Scripting
Data Engineering / ETL Tools: DBT, Snowflake Tasks, Streams, Stages, Dynamic Tables, Informatica
Cloud Infrastructure: AWS (S3, Athena, Lambda, EC2, IAM), Azure Blob
Build & CI/CD Tools: Jenkins, GitHub Actions, Autosys
Version Control: Git, GitHub, SCCS
Testing / Development Tools: SQL Developer, Toad, Postman, PyCharm, VS Code
Monitoring & Scheduling: Autosys, Crontab, CloudWatch
Design & Documentation: MS Visio, Confluence.
Security / Protocols: OAuth 2.0, SSL/TLS, RBAC, AWS IAM
Bug Tracking / Project Tools: JIRA, Rally, ServiceNow, HP ALM.

WORK EXPERIENCE

AT&T, Dallas, TX, USA   **Feb 2024 – Dec 2025**
Employer: DigitalTree - US
Role: Snowflake Data Engineer
Responsibilities:

- Designed Snowflake Tasks, Streams, and Dynamic Tables for incremental data refresh and continuous pipeline automation, reducing end-to-end data latency by 40%.
- Integrated AWS S3 as primary data lake, managing structured (CSV) and semi-structured (Parquet, JSON) data ingestion via external stages and storage integrations.
- Replicating operational tables into staging area transform and load data into enterprise data warehouse tables using Informatica power center from their legacy systems by ETL process.
- Responsible for all activities related to the development, implementation, administration and support for large scale Snowflake cloud data warehouse.
- Modifying existing queries and Writing SNOWSQL queries.
- Used import and export from internal stage (Snowflake) vs external stage (S3 Bucket).
- Conducting training and Knowledge sharing sessions for Testing team and Production support teams
- Performed data quality checks to improve the performance of loading and unloading.
- Used COPY, LIST, PUT and GET commands for validating internal and external stage files.
- Perform troubleshooting analysis and resolution of critical issues.
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- Worked on streams and tasks to identify Change Data Captures.
- Gather requirements to do analysis, design, and development and testing.
- Bulk loading from external stage (AWS S3) to internal stage (snowflake) using COPY command.
- Written Python scripts to automate the batch loads.
- Good experience in implementing Python modules as per the requirement.
- Involved in data cleansing to maintain quality and better performance.
- Created data base objects like Snowflake tables, file formats, sequences, internal and external stages.
- Hands on experience with Snowflake utilities snowsql, Snow Pipe, Time Travel and Zero copy Clone, Copy command, Tasks.
- Automated Quality Check tasks by creating PL/SQL procedures, cursors, functions and dynamic SQL. Enhanced it with creating exceptions for error handling Created data sharing between two snowflake accounts.
- Expertise in creating data models for the Bridges using Power designer.
- Provided ad-hoc performance insights to business and network operations teams by exposing curated data through AWS Athena for self-service analytics.

Environment: Snowflake, DBT, Python, AWS, Oracle, Power BI

Client: US Bank, Wisconsin, USA   **July 2023 – Jan 2024**
Employer: Tech Mahindra - IN
Role: Snowflake Developer

Responsibilities:

- Designed and developed Snowflake ELT pipelines to migrate and transform fraud-related transaction data (~2 TB daily) from Oracle and flat-file sources into Snowflake data marts.
- Co-ordination with the onsite team members for requirement clarifications.
- Worked on Snowflake migration using Informatica, AWS Cloud provider.
- Excellent experience in Warehouses, Roles, Schema, Databases, Resource Monitor.
- Created a different table in Snowflake development.
- Have experience in creating Users, IAM roles & trusted policies on AWS as part of integration.
- Implemented Snowflake Data Pipeline to configure Auto-Ingestion from AWS S3 to Snowflake.
- Excellent experience in using Snowflake features like Snow pipe, Streams, Tasks, Stages, Clustering, Time Travel and Fail safe.
- Experience in Data Migration from SQL Server to Cloud/Snowflake cloud data warehouse
- Deep understanding of Snowflake architecture, Caching and Virtual data warehouse scaling.
- Expertise in bulk loading into Snowflake tables using COPY command
- Created data pipelines with streams and tasks
- Exposure in processing semi structured data files like JSON and Parquet into snowflake.
- Experience in using zero copy clone to replicate Lower environments from production
- Handled large and complex data sets in CSV format from object stores like AWS S3.
- Experience in Snowflake features such as Data sharing, SnowSQL, Snowpipe, Tasks, Zero copy clone and Time travel.
- Developed DBT models for standardized data transformations and lineage documentation, ensuring traceability across staging and analytics layers.
- Performed query performance tuning and optimization to reduce execution time and improve efficiency in report generation.
- Collaborated with cross-functional teams in Agile/Scrum environments, participating in sprint planning, development, deployment, and production support.
- Used principles of Normalization to improve the performance.

Client: Empower, Denver, CO, USA   **Aug 2022 – July 2023**
Employer: Sureminds Solutions - IN
Role: Snowflake Developer
Responsibilities:

- Migrated and optimized over 120 Oracle PL/SQL ETL jobs into scalable Snowflake ELT pipelines, reducing overall data load time by ~40%.
- Designed DBT models for 50+ dimension and fact tables, establishing modular data transformations and lineage tracking through Git and DBT documentation.
- Integrated AWS S3 as the data lake for raw and curated zones; automated ingestion using Snowpipe and AWS Lambda triggers, improving data freshness from daily to near real-time.
- Implemented query performance tuning through clustering keys and optimized warehouse configurations, achieving ~30% cost reduction in compute usage.
- Collaborated with cross-functional teams to define data models, mapping sheets, and naming standards, ensuring consistency across environments.

- Implemented CI/CD workflows via GitHub Actions and Jenkins, enabling automated testing, version control, and seamless promotion across DEV → UAT → PROD.

Environment: Snowflake, DBT, AWS S3, AWS Athena, Python, Oracle 12c, SQL Developer, GitHub, Jenkins, GitHub Actions, Linux Shell Scripting, Jira, Confluence.

Client: Mastercard, O'Fallon, MO.   **Oct 2018 – Aug 2021**
Employer: Cliff IT Solutions - US
Role: Oracle PLSQL Developer
Responsibilities:
- Wrote Shell Scripts for Data loading and DDL Scripts.
- Used SQL*Loader as an ETL tool to load data into the staging tables.
- Optimized SQL queries to reduce execution time by ~60%, improving overall application performance and user experience while cutting compute costs.
- Used Rally tool for Issue/bug tracking, monitoring of work assignment in the system.
- Experience on implementation of version control software GIT repositories.

Environment: Agile, Rally, UNIX, Putty, SQL Developer, Batch Manager, Oracle, Netezza, DB2.

Client: Edward Jones, Saint Louis, MO.   **Aug 2016 – Oct 2018**
Employer: Cliff IT Solutions - US
Role: Oracle PLSQL Developer
Responsibilities:
- Upgraded Oracle 10g to 11g software in different environments for latest features and tested databases.
- Wrote SQL, PL/SQL programs required to retrieve data using cursors and exception handling.
- Designed Data Modeling, Design Specifications and to analyze Dependencies.
- Creating indexes on tables to improve performance by eliminating the full table scans and views for hiding the actual tables and to eliminate the complexity of the large queries.
- Developed and modified triggers, packages, functions and stored procedures for data conversions and PL/SQL procedures to create database objects dynamically based on user inputs.

Environment: Oracle 10g/11g, Putty, SQL developer, Visio, HP ALM, Autosys.

EDUCATION

Master of Science (MS) in Information Systems and Technology
South University, Tampa, FL, USA   2016

Bachelor of Technology (BTech) in Aeronautical Engineering
Jawaharlal Nehru Technological University, Hyderabad, India   2014