

# Praneeth Kumar Darji

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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, Oracle PL/SQL, and AWS.

- Expertise in developing and optimizing database solutions using Snowflake, DBT and 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, SQS, EC2, IAM), Azure Blob

**Build & CI/CD Tools:** Jenkins, GitHub Actions

**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:** SSL/TLS, RBAC, AWS IAM

**Bug Tracking / Project Tools:** JIRA, Rally, ServiceNow, HP ALM.

## WORK EXPERIENCE

**AT&T, Dallas, TX, USA**

**Feb 2024 – April 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.
- 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.
- 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