**Indhu P**

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**Professional Summary:**

Experienced Data Engineer with over 2.6 years of hands-on expertise in designing, developing, and optimizing scalable data solutions using the Snowflake Cloud Data Platform and DBT (Data Build Tool). Proficient in DataStage and well-versed in modern data engineering practices, including data modeling, ETL/ELT pipelines, and performance tuning. Actively seeking a challenging role where I can apply my technical skills and contribute to impactful, data-driven initiatives.

**Professional Experience**

**Software Engineer** – HCLTech  
April 2022 – Present

* Working on the AML RtB DBT migration project for USAA, focusing on Oracle to Snowflake data migration and transformation using DBT and DataStage

**Academic Profile:**

Obtained B.Tech in E.C.E from Dr.B.R.Ambdedkar University in 2022 with a Percentage of 76%.

**Technical Skills:**

**Data Engineering & ETL Tools:** Snowflake,DBT,IBM DataStage,Oracle SQL, ETL/ELT Pipelines

**Programming & Scripting Languages:**SQL Shell Scripting

**Tools & Utilities:**Control-M, WinSCP, PuTTY, Git, JIRA, QTest

**Reporting & Documentation Tools:**MS Office (Word, Excel,PowerPoint), Wiki Pages

**Domain Expertise:**Financial Services, AML Compliance

**Soft Skills:** Problem Solving, Active Learning, Root Cause Analysis, Cross-Team Collaboration

**Core Competencies**

**Data Engineering:**Strong expertise in building scalable data pipelines, ETL/ELT workflows, and data modeling using tools like DBT, Snowflake, and IBM DataStage.

**Data Warehousing & Cloud Platforms:**Experience in cloud data platforms such as Snowflake and Oracle; skilled in data migration, transformation, and optimization for analytics and compliance reporting.

**Pipeline Orchestration & Automation:**Proficient in job scheduling and workflow orchestration using Control-M; familiarity with automation tools and scripting for streamlined data operations.

**Infrastructure Tools**:skilled in using tools like WinSCP and PuTTY for server access and file transfer.

**Data Governance & Documentation:**Experienced in maintaining data lineage, quality checks, and documentation using DBT’s built-in features and collaborative platforms like Confluence or Wiki.

**Version Control & Dev Collaboration:**Comfortable working with Git-based workflows, JIRA for task tracking, and QTest for quality assurance.

**Domain Experience:**Specialized in Financial Services (AML compliance), with additional exposure to Manufacturing and Power industry data systems.

**Project Experience**

**Project #1:** Oracle to Snowflake – DBT Migration (AML RtB Initiative)  
**Client**: USAA | **Role**: Data Engineer / Developer | **Duration:** April 2024 – Present  
**Technologies**: DBT, Snowflake, Oracle, Python, IBM DataStage, MFP, PuTTY, WinSCP

**Project Overview:**  
The objective of this project was to migrate data from Oracle to the Snowflake cloud platform using DBT (Data Build Tool). As part of USAA's AML (Anti-Money Laundering) “Run the Business” initiative, the project aimed to build a reliable and scalable cloud-based data pipeline to support AML analytics and compliance reporting.

**Key Responsibilities:**

* Extracted source data from Oracle databases using IBM DataStage, applying initial business-rule-based transformations and tokenization to secure and standardize sensitive fields before migration.
* Performed data staging and validation in intermediary environments to prepare data for downstream processing.
* Designed and implemented DBT models to build modular transformation pipelines including staging, intermediate, and mart layers aligned with target Snowflake schema.
* Applied business logic, data cleansing, enrichment, and compliance rules within DBT models to produce analytics-ready datasets.
* Conducted thorough unit testing and QA validation, leveraging DBT's built-in testing and documentation features.
* Orchestrated and monitored workflows using Control-M, ensuring timely and accurate execution of jobs.
* Used WinSCP and PuTTY for secure file handling, remote access, and deployment management.
* Created detailed documentation covering data flows, lineage, and transformation logic for compliance and audit readiness.

**Outcome:**  
Delivered a robust and secure migration framework that ensured sensitive data was transformed and tokenized per business and regulatory requirements before being loaded into Snowflake, enabling efficient AML operations and reporting.