Hi, I'm ==SINGARVELU==. I have 4+ years of IT experience, recently worked with KYNDRYL SOLUTIONS.

Having 4+ years of exp in Snowflake development with SQL+SNOWFLAKE+ Talend +AWS S3

Worked on projects across banking, healthcare domains.

I'm proficient in building scalable data pipelines, migrating data from traditional databases to Snowflake,

and handling large datasets in formats like CSV, JSON, and Parquet.

I've worked extensively with Snowpipe, Streams, Tasks, time travel, and COPY commands.

Good working experience in DBT and Talend.

Working experience with both waterfall and Agile methodologies.

Project Overview:

"I'm currently working on a healthcare project for Air Liquide, where we manage and

 process large volumes of patient and operational data.

 The goal is to build a scalable, cloud native data platform for analytics and reporting purpose."

Source to Destination Flow:

"The data originates from multiple transactional systems—primarily MySQL and Oracle databases.

 We used Talend as our ETL tool to extract, transform, and load the data into AWS S3, which acts as our data lake."

Snowflake Integration:

 "From AWS S3, we ingest data into Snowflake using Snowpipe.

 We defined external stages and file formats to handle various file types like CSV, JSON, and Parquet.

 Snowpipe allows us to automate and streamline the data loading process with minimal latency."

==Medallion Architecture Implementation:==
🥉 Bronze Layer – Raw/Staging Data:

"This layer stores raw data directly ingested from S3.

 We have used Snowpipe to load the data into snowflake

Created storage integration objects, file formats , stages and used Copy command to load data

🥈 Silver Layer – Filtered Data:

"Here, we apply business logic and transformations using dbt, Streams, Tasks, and Dynamic Tables.

 This includes standardization, de-duplication, and enrichment to prepare data for analytics."

🥇 Gold Layer – Business-Ready Data:

"This layer contains final datasets for reporting and decision-making.

We Create Views and Materialized Views for data reporting team.

this is pretty much about my self and work experience .

==
==
source --> destination :

Source Systems (MySQL, Salesforce, etc.)

     ↓

ETL Tools (Talend, Fivetran, Stitch)

     ↓

AWS S3 (Raw Data Lake)

     ↓

Snowflake (via Snowpipe, Stages, External Tables)

     ↓

dbt Transformations (Bronze → Silver → Gold)

     ↓

Snowflake Data Warehouse

↓

BI Tools (Power BI, Tableau, etc.)

My responsibilities include:

i have been involved in

  1- Agile meetings like daily stand-ups, sprint planning, and retrospectives, sprint demos, and backlog grooming.

  2- Creating stages, file formats, and Snowpipe for automated data ingestion.

  3- Involved in Designing and optimizing Snowflake schemas for performance and scalability.

  4- Involved in Transforming raw data using dbt, Streams, and Tasks to produce clean, enriched datasets.

  5- Creating Views and Materialized Views for reporting and dash boards.

  6- Worked on user stories in Jira, ensuring timely delivery of sprint commitments and providing demo walkthroughs of Snowflake pipelines and dashboards to stakeholders.

----

user stories

1.Claims Data Ingestion: claims data from MySQL to be ingested into Snowflake daily using COPY command,

2.Incremental Loads for Members: incremental member updates captured through Streams + Tasks, so that only changed records are processed, reducing cost and improving pipeline efficiency.

3.Historical Tracking (SCD Type-2): build streams & Task to track changes   [OR] Use DBT incremental /snapshots.

4.Data Quality Checks: dbt tests applied on staging and curated tables (unique, not null, accepted values), so that I can trust the accuracy of data used for analytics.

5.Environment Management with Cloning: perform zero-copy clone of the production claims dataset to test without impacting live data or incurring extra storage costs.

----

facts and dimensions

Fact Tables

Fact_Claims

Fact_Claim_Line

Fact_Eligibility

Fact_Encounters

 Fact_Billing

- ◈ Dimension Tables

Dim_Member

Dim_Provider

Dim_Payer

Dim_Diagnosis

Dim_Procedure

Dim_Facility

Challenges:

1) Snow pipe is failing due to some error records, So we have implemented Email notifications

2) some queries are running long time by using SQL optimize techniques we have improved performance

3) frequently input file columns are changed due to that snow pipe failed

4) while migrating data oracle to snowflake datatype compatibility issues.

if i get select what kind of projects, what i can expect from your organization like dev/support ?

ok tq nice talking to u