

Sarumathi Shanmuganathan



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EXPERIENCE Infosys || Chennai Aug 2022 - Present

Senior Systems Engineer Oct 2024- Present
System engineer- Data Analyst Jan 2023- Sep 2024
System Engineer Trainee Aug 2022 - Jan 2023

Project 1- client : Siemens || 1 year

- Modernization of the existing SAP HANA Data lake to align with Oracle with Org-wide initiative to adopt Snowflake
- Onboard to central IT snowflake based data platform which supports independent scaling of storage and compute
- Used DBT tool to apply software engineering best practices in data transformation
- Migrated around 40GB of data from SAP 4HANA to Snowflake using DBT tool by working around 1000 models for transfer and loading of data

Project 2- client : Uniper || Present

- Migration of the existing SAP BODS to Snowflake database modernizing around 30 ERP systems to Snowflake
- Extracting the source API systems to Azure pipelines in the new world
- Source API's landing to Oracle has been migrated to Snowflake using Kafka connectors and SQL servers
- Source tables has been extracted via ADF and transferred using DBT and finally loaded to Snowflake database

Responsibilities

- Converted mappings and stored procedures to SnowSQL, enhancing data processing efficiency.
- Designed and implemented data pipelines in Snowflake, improving data flow and integration.
- Scheduled jobs in DBT and Azure Data Factory, ensuring timely data processing.
- Orchestrated end-to-end jobs using ADF app jobs, streamlining workflows.
- Utilized Jinja and Macros in DBT, optimizing data transformation processes.
- Participated in hypercare production testing, ensuring smooth deployment.
- Involved in effort estimation and creating dataflow designs, contributing to project planning.
- Developed POWER BI dashboards for reporting purposes, enhancing data visualization.
- Worked on CI/CD pipelines, improving deployment efficiency.
- Demonstrated a strong understanding of unit testing and data validation approaches, ensuring data accuracy.
- Supported the team during the absence of the lead, providing guidance and maintaining productivity.
- Proactively resolved bugs, ensuring smooth operation.
- Took ownership of tasks, ensuring quality and timely delivery while helping the team navigate smoothly.
- Maintained track of user story creation and tasks in Azure DevOps, ensuring project organization

SKILLS

- DBT
- Advanced SQL
- SAP HANA
- SAP BODS
- POWER BI
- Snowflake
- Azure Devops
- Database management and design
- Data warehousing and reporting tools
- Scheduling basics
- ETL Processes
- Oracle SQL DEVELOPER
- Knowledge on GIT
- Azure Data Factory
- AWS

SUMMARY

With 2 years of extensive experience in ETL and data migration, I have successfully modernized existing SAP HANA and BODS systems to align with organizational initiatives to adopt Snowflake. My role involved executing complex transformations while migrating advanced SQL to Snowflake, ensuring seamless integration and optimization. I possess 2 years of hands-on experience with Snowflake, DBT, and Oracle SQL Developer, which has equipped me with a robust understanding of data warehousing and SQL development. Additionally, I have 1 year of experience utilizing Azure DevOps and Azure Data Factory, further enhancing my capabilities in cloud-based data solutions and pipeline automation.

EDUCATION

Bachelor of Technology, Industrial Biotechnology

Government College of Technology

Aug 2018- May 2022 Coimbatore, India

CERTIFICATIONS

- DBT Fundamentals
- Snowflake Pro Core Certification
- Microsoft Azure Fundamentals

TRAINING ATTENDED

- Overview of Java using Eclipse,OOPS ,Data Structures
- SSIS,SSAS SSRS
- Basics of Unix and Python

TOOLS KNOWN

- DBT CLI
- DBT CLOUD
- POWER BI
- MS OFFICE
- PLATFORMS:Visual Studio Code

ACHIEVEMENTS

Received Infosys Rise Awards twice for demonstrating enthusiasm, skill, and ownership in task execution, playing a vital role in the successful completion of projects, and for tireless efforts and dedication in making a significant impact on the ETL migration towards the Uniper Digital Data Warehouse project