SARATH P R

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SUMMARY

- Senior Snowflake developer with 6+ years of experience. Proficient in creating ETL jobs and enhancing their performance using Snowflake Stored Procedure (Java Script based), Airflow, Matillion ETL for Snowflake in Amazon Web Service, IBM Datastage, Oracle SQL and Microsoft SQL. Extensive experience in writing and tuning complex SQL Scripts, SQL stored procedures and functions.

SKILLS

- Snowflake Data Warehouse
- Snowflake Stored Procedure
- Apache Airflow
- Matillion ETL for Snowflake
- IBM Datastage
- Oracle
- Microsoft SQL Server
- SQL
- Hyperion Financial Reporting

PROJECTS

- **GBI Cascade**
  Client : Apple, USA

  Improving the performance of python script which are used for transformation of data in Snowflake data warehouse.

  - Improved the performance of python script by tuning the SQL code written within the python script.
  - Removed unwanted SQL statements/codes to reduce the redundancy thereby increasing the performance.
  - Tested multiple SQL codes in Snowflake and identified the right set of statements which will give us performance improvement.
  - Identified right virtual warehouse size in Snowflake for receiving better performance for python script.

  Environment: Snowflake, Python, SQL

- **FSL/FDM Snowflake Migration**
  Client : Worldpay, USA

  Migration of FSL and FDM Financial datamart and ETL jobs from Oracle Exadata and IBM DataStage respectively to Cloud Snowflake Data Warehouse. Project based on two phases, phase 1 for migration of all the data from On-prem Oracle database to Snowflake using IBM DataStage. Phase 2 for migrating ETL jobs running on DataStage to Snowflake Stored procedure (JavaScript based).

  - As part of phase 1, migrated all the financial data present in Oracle database to Snowflake using IBM DataStage, Snowflake connector in DataStage is used to load data into Snowflake.
  - Developed history jobs for loading history data into Snowflake by creating history jobs in DataStage. Incremental jobs are created in DataStage to load the data from Oracle on a daily basis till new ETL jobs are created in Snowflake using Snowflake Stored Procedure.
  - As per previous design ETL jobs are present in DataStage for transforming data coming from different sources like flat file,CSV,IBM DB2 database etc. As per the new design all this ETL process will be done through Snowflake using Javascript based Snowflake Stored Procedure.
  - As part of the migration, converted many Oracle Stored procedure to JavaScript based Snowflake Stored Procedure.
  - Flate files/CSV files started receiving in AWS S3 bucket, which directly loaded into Snowflake using internal stage and copy command in Snowflake through Stored procedure.
  - Scheduling of Snowflake Stored procedure has been done through Apache Airflow.
  - Different logging mechanisms has been developed in Snowflake to capture the statistics of each running Stored procedure.
  - Parallel running of ETL jobs in snowflake and IBM datastage has been done for 2 months and reconciliation reports has been generated regularly and monitored to finding out the issues in migrated ETL in Snowflake before decomissioning DataStage ETL jobs.

  Environment : Snowflake Data Warehouse, Javascript based Snowflake Stored Procedure, Apache Airflow, AWS, IBM DataStage,Oracle Database.

- **DataHub**
  Client: Sears, USA

  Project based on creating a DataHub in Snowflake by migrating data from on-premise databases like Teradata, Microsoft SQL Server etc. to Snowflake using Matillion ETL tool for Snowflake in AWS.

  - Created ETL jobs using complex Snowflake SQL queries in Matillion ETL tool for migrating data from on-premise databases to Snowflake.
  - Developed jobs in Matillion ETL for Snowflake based on the on-premise database jobs.
  - Scheduled and deployed the jobs in production environment successfully through matillion itself.
  - Jobs developed to transform the data received from sources like Amazon S3 bucket, Teradata and MySQL in a single job using components in Matillion ETL.
  - Orchestration jobs created to load the history data from on-premise databases to Snowflake.
  - Transformation jobs created to transform the data received from source and load to Snowflake aggregate table.
  - Project followed Agile methodology.

  Environment: Snowflake, Matillion ETL tool, Teradata, M SQL Server, MySQL

- **RCXP Volvo SFDC Data Migration**
  Client: Volvo Cars Corporation, Sweden

  Project based on migration of Volvo country wise data from Siebel to Salesforce.

  - Created complex Microsoft SQL scripts in order to transform the source data from Siebel to Salesforce format.
  - Created SQL scripts to generate data quality reports,
  - Lead the team to develop and guide the tasks to accomplish the migration successfully.
  - Azure SQL database is used to store the data from Siebel.

  Environment : Microsoft SQL Server, Azure SQL database

- **Reporting Data Warehouse**
  Client: Telstra, Australia

  Production support and maintenance of RDW (Reporting Data Warehouse) which provides business units with the ability to produce comprehensive, timely and accurate operational business reporting.

  - Resolving production issues within the SLA timelines.
  - Managed various BAU processes which included daily monitoring of ETL jobs, scheduling and running of jobs.
  - Development and testing of small changes/ code fixes.
  - Go-Live support and Warranty support and fixing any issues in warranty.
  - Project followed Agile DevOps methodology. Daily activities and tasks were assigned based on discussion with client.
  - Proposed solutions to improve system efficiencies and reduce total expenses.
  - Received Insta Award multiple times for the outstanding contribution and commitment towards the project.

  Environment: Oracle SQL, Unix, JIRA, BMC Remedy

- **GFS Automation**
  Client: Telstra, Australia

  This project related to automating financial reports of Australia's leading provider of mobile phones, mobile devices, home phones and broadband internet.

  - Created complex HFR reports using multiple grids and applying complex filtering conditions.
  - Performed various calculations using complex expressions in the reports and created report model in HFR.
  - Converted weeks of manual work to minutes after automation
  - Created financial reports using OBIEE tool.

  Environment : HFR, OBIEE

EXPERIENCE

Sep-2021 - Present	**Tata Consultancy Services** I.T Analyst	
Feb-2017 - Aug-2021	**Infosys Ltd** Technology Analyst	

CERTIFICATIONS

- Microsoft Certified Azure Developer Associate (AZ-203)
  - Infosys Certified Snowflake Data Warehouse Developer
  - Microsoft Certified: Azure Fundamentals (AZ-900)
  - Infosys Global Agile Developer
  - Microsoft Certified: Introduction to Programming using Python
  - Infosys Certified Power BI Developer

ACHIEVEMENTS

- **Star of the Month Award** -
  Awarded by TCS BFSI unit in appreciation of outstanding contribution to the organization and project.
  On the Spot Award -
  Received from TCS for the appreciation of commitment towards the project and project deliverables.
  Insta Award- Certificate of appreciation
  Awarded by the Data Analytics unit of INFOSYS for the commitment and dedication in work
  Cloud professional Skill Tag -
  Offered by Infosys to those who successfully completed all the mandatory certifications on cloud technologies and relevant work experience on the same field for at least 6 months.

EDUCATION

2016	**Calicut University** B.tech

REFERENCE

- **** References can be provided on request. - ""**