Aruna Hanumantharayappa

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Professional Summary:

- **Overall, 12 years** of experience in Data Warehousing/Data Engineer Using Snowflake DWH and DataStage. Certified in **SNOWPRO Certification** (Cloud data warehouse)**, ITIL, ITISM**
- Snowflake Core Certified Professional with **4 years** of strong experience on cloud data warehouse implementation on AWS
- Strong in SQL programming with stored procedures, indexes, functions, triggers, views, database performance tuning and writing simple/complex queries.
- Hands on experience in building EDW, Data mart, Operational data store (ODS) and having and design skills using Snowflake utilities, DBT to develop ETL applications.
- Complete end-to-end SDLC knowledge (Requirement analysis, Design, Development, Deployment and Support). Involved in end-to-end development, Maintenance, Enhancement and Performance improvement projects.
- Troubleshooting performance with Query Profile, ability to handle large volume data.
- Experience in using snowflake clone and time travel
- Hands-on experience on snowflake utilities, Snow SQL, Snow Pipe for creating the snowflake stored procedures
- Experience in using Secure data transfer feature in snowflake to share the data to other snowflake and third-party consumers
- Hands on experience on creating the snowflake Secure Views, Materialized views, Regular Views
- Good Experience on different tables and usage of the tables.
- Experience in define virtual warehouse sizing for snowflake for different type of workloads
- Have extensive experience working with databases like ORACLE, DB2, snowflake. Hands on experience on Unix Commands and shell scripting.
- Experience in using the third-party Scheduler like Control M, Autosys to schedule the jobs.
- Experience in troubleshooting of jobs and addressing production issues like data issues, environment issues.
- Able to work independently and collaborate proactively within a team.
- Worked on Migration Projects
- In-depth Experience of Data Sharing, Data Replication, zero copy Cloning, Time travel and RBAC
- Implemented Data Governance along with Dynamic data masking for multiple projects.
- In-Depth understanding of Snowflake Data storage and performance tuning and Credit Usage
- Worked on libraries in Python like Pandas, Boto3, cx_Oracle, psycopg2, multiprocessing
- Good at AWS Technologies like AWS Storage services, DMS, RDS DynamoDB, CloudWatch, Lambda, SNS, SQS, Event Bridge, Kinesis, IAM.
- Knowledge on ADF, Data Bricks, CI/CD Pipelines using Azure DevOps to deploy snowflake components and deploying AWS CloudFormation Templates from GIT Repositories.
- Effectively involving in P1/P2 incident calls and preparing RCA documents
- Preparing slides and Conducting Weekly meetings to address the chronic issues
- Good experience on Change management process and incident management process
- Flexibility and Adaptability in regards with new Technologies and environments.
- Possess good leadership qualities in handling stakeholders and having successful track of Project deployment.
- Knowledge in the domain of Banking and Financial services

Academic Qualification:

- M.Sc. IT from KSOU, Mysore in Jan 2010

- B.Sc. in Computer Science from Sri Krishnadevaraya University in April 2006.

Technical Skills:	
ETL Tool	Datastage 11.5/11.7, Informatica, DBT, Talend
Reporting	Cognos 10.1 /11.1.7, Business Objects
Database	Oracle,db2, Snowflake, DB2
Operating Systems	Windows, UNIX, Linux
Languages	SQL, PL/SQL, Python
Ticketing Tools	Service now, service manager
Version control	SVN , GitHub,
Cloud	Azure data factory, Databricks, DBT, Snowflake, AWS

Professional Experience:

Project Name	**Bank Data Analytics**
Role	**Data Engineer**
Client	**USAA, Texas (TCS)**
Environment	**Snowflake , DBT**
Duration	**Jun 2022 to 2nd May 2023**

Responsibilities:
- Designed and set up Enterprise Data warehouse to provide support for various use cases including Analytics, processing, storing, and reporting of voluminous, rapidly changing data
- Responsible for maintaining quality reference data in source by performing operations such as cleaning, transformation, and ensuring Integrity in a relational environment by working closely with the stakeholders & solution architect.
- Moving large amounts of data into and out of other AWS data stores to snowflake, such as Amazon Simple Storage Service (Amazon S3) using Apache Airflow custom objects
- In-depth knowledge of Snowflake Database, Schema and Table structures, define roles, privileges required to access different database objects
- Experience in Data Migration from RDBMS to Snowflake cloud data warehouse. Strong experience in migrating other databases to Snowflake, Experience in building Snow pipe for continuous data load, Clone and Time Travel.
- Created internal /external stage and transformed data during load Worked on Data Sharing in Snowflake, Database, Schema and Table structures, Automatic Clustering.
- Experience ETL pipelines in and out of data warehouses using a combination of Python and Snowflakes SnowSQL Writing SQL queries against Snowflake.
- Data Sources are extracted and transformed and loaded to generate CSV files with Python programming and sql Queries
- Connected various data sources using Pandas to read and load data into on Prem and cloud databases.
- Experience in using Snowflake Clone, resource monitors, RBAC controls & Time Travel.
- Used Temporary and Transient tables on diff data sets and Auto-scale functionality.
- Migrated On Premise databases to Snowflake cloud data warehouse.
- Worked on semi structured data files like JSON and Parquet.
- Implementation of data streaming feature with Snow Pipe, Storage Integrations
- Created snowflake stage, file formats, schema's, sequences, views and tables
- Handling, Loading and implementing delta loads for huge volumes of data

Project Name	**ODS**
Role	ETL Developer/ Data Engineer
Client	GM Financial (**EIT Services India Private Limited)**
Environment	Datastage 11.5 , Datastage 11.7,Unix, Oracle 19c ,Snowflake,DBT
Duration	**Jan 2015 to May 2022**

Responsibilities:
- Design and develop data load process (ETL) using IBM Datastage and create workflows to load dimension and fact tables.
- Analyzing/Scoping the requirements and estimating the total efforts for the release and creating deliverables and milestones.
- Preparing source specification documents Reviewed documentation and conducted code walkthroughs.
- Developed Parallel jobs using Parallel stages like Funnel, Join, Lookup, Merge Transformer, Remove Duplicates, and Aggregator, oracle Stage, dataset and sequential file stage .
- Ensuring that the project confirms to the organization quality norms.
- Involved in design and development of Snowflake Database components.
- Preparing Data Load configurations
- Cloned production data for code modifications and testing
- Developed SQL queries using Snow SQL
- Created internal and external stages and transformed data during the loading.
- Adding new jobs to Control-M and also perform corrections to existing job

Project Name	**Iwdatastage and CPS –DWR (Core Policy System –Data Warehouse Reporting)**
Role	**DataStage / Cognos Production Support**
Client	**ALLY, Detroit (EIT Services India Private Limited)**
Environment	**IBM Web sphere Datastage 8.7,8.1, Cognos 10.1, Oracle 11g, UNIX , Oracle 11g**
Duration	**Oct 2011 to Dec 2014**

Responsibilities:
- Monitoring the jobs using Datastage Director. Identifying the errors, fixing the bugs and restarting the jobs.
- Handling incidents, Problem tickets, bug fixes, CR'S as part of support activities under the BI Stream.
- Working on fixing recurring ETL job bugs in order to stabilize the application and streamline the data loads.
- Cognos server (web, application and content manager) and portal administration.
- Management of reporting load and reporting content library.
- Handling operational activities – Weekly scheduled reboot of the server, monitor the jobs for cube build generation and maintaining backups.
- Managing user access requests, data source connection security.
- Promotion of packages and cubes from pre-production to production environment.
- Involved in Deployments and Migrations activities