Tarun Kumar Rangaraju

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Professional Summary:

- Snowflake development with 8Years of extensive experience in IT industry which includes Snowflake, SQL, GCP, Thoughtspot, Bigquery , Apache Airflow, Control M, Informatica Power Center,SAP HANA experience playing various key roles in Design, Development and Support.
- Good exposure and Worked on Snowflake development. Developed Views in Snowflake through ETL.
- Good knowledge on snowflake system Hierarchy.
- Worked on Data validation, writing custom SQL code.
- Good knowledge on Snowflake schemas Tables/Views/stages and deployment to stage & Production environments.
- Having knowledge on Internal and external Stages and Snowpipe Concepts.
- Created Different types of Tables and Views based on requirements and use cases.
- Define virtual warehouse sizing for Snowflake for different type of workloads.
- Experience in using Snowflake Clone and Time Travel.
- Participates in the development improvement and maintenance of snowflake database applications.
- Involved in importing data of different formats like xml, txt, csv, tsv formats to Snowflake.
- Applied various data transformations including multiple joins, Aggregates, Snowflake functions, Derived column etc.
- Implemented Streams and Tasks tree to capture frequently changed data in base tables and to do some automation works.
- Implemented Snowflake Procedures and UDFs as per the business requirements.
- Expertise in HANA modeling including creating schemas and creating attributes measures and developing Information Models with Attribute Views, Analytical Views and Calculation View.
- Good exposure SQL Scripting Developed HANA models using SQL script.
- Good exposure on creating Calculated Columns, Restricted Columns, Filters, Variables, and Input parameters.
- Project oriented approach in handling responsibilities and Good inter-personal skills.

Technical Summary:

Languages	C, Python (Basic)
Technologies	SNOWFLAKE, Bigquery, GCP, Thoughtspot, Airflow, SAP HANA Studio
SAP Tools	SAP HANA Modelling

BI Tools	SAP Design Studio , SAP Business Intelligence
Scripting Language	SQLScript , Java Script
Database	SNOWFLAKE, HANA
Other Concepts	Data Structures

Professional Experience:

PROJECT 1	From Aug'21 To Till Now

Client Name	TEGNA
Project Name	Media and Data Analytics
Role	Snowflake Developer
Environment	Snowflake 7.39.4

Description:

Tegna Inc. is an American publicly traded broadcast, digital media and marketing services company. We Will work with different integrations and develop the requisities to provide the data for TEGNA for its Digital Media Services

Contributions:

- Worked on UI Snowflake to develop snowflake tables and views.
- Designed and implemented Procedures to load the data from Raw to Stage layer, Stage to Core layer and Core to Reporting layer.
- Implemented Procedures and UDFs for Data load and Security implementation.
- Implemented Devops runway to migrate snowflake objects from one environment to another environment till Prod environment.
- Worked on Alphonso & Simplifi applications provide brands and agencies with real-time TV ad campaign measurement, this project mainly focusses on capturing the user data for retargeting the audience. The DWH infrastructure integrates data from Salesforce & Ad servers to generate user reports in Bigquery and sent it to S3 for Client insights
- Worked on BQ scripts for the data ingestion and designed data architecture
- Automated the Audit Process for every Data Load. Created python Scripts to schedule the incremental Data Loading Process by Airflow Tool.
- Migration of On-Premises Enterprise data warehouse to Snowflake. It's about migration of Data warehouse from Bigquery to Snowflake using Airflow. So, we have replaced all the source & Ad server data to Snowflake
- Extensively worked deployment of various changes made in each sprint.
- Worked in enhancements and maintenance activities of the data warehouse including tuning, modifying of BQ scripts & Views for code enhancements
- Testing the data on high level to match the data on both databases.

- Designing BQ scripts for the data ingestion on Bigquery. Conducting design and code walkthrough with the team
- Migrating the Bigquery history data along with the Table's definition into Snowflake DW
- Preparing technical documentation such as design approach documents, Low Level Design documents, Unit Test Preparation
- Also involved in Production Support for the existing warehouses.
- Ability to meet deadlines and handle multiple tasks, decisive with strong leadership qualities, flexible in work schedules
- Have extensively worked developing ETL Business Transformation Logic in Databases such as Big query & Snowflake
- Good experience on Snowflake,SQL, Big query & Python
- Providing the daily support for all the applications and Working on the new development activities.
- Delivering the new reports and data on time and Ensuring that all the specifications and requirements what the customer needs are being acheived and delivering ON TIME.
- Worked on process Automation which reduces the Manual efforts and there by Eliminating the erros resulting in the Smooth process flow.
- Implementing the productivity ideas in the code level which reduces the run time and processing time of the data

PROJECT 2	From Jan'2018 to July'21

Client Name	CISCO
Project Name	Customer360
Role	Snowflake developer and HANA Consultant
Environment	Snowflake 5.21, SAP HANA 2.0 SPS 02

Description:

Cisco develops, manufactures and sells networking hardware, telecommunications equipment and other high-technology services and products. Through its numerous acquired subsidiaries, such as OpenDNS, WebEx, Jabber and Jasper, Cisco specializes into specific tech markets, such as Internet of Things (IoT), domain security and energy management. The project is extensively on developed the HANA models for creating API and will provide that APIs to other Tools.

Contributions:

- Worked on UI Snowflake and DBeaver tool to develop snowflake tables and views.
- Migrated HANA views into Snowflake BVs
- Played key role in Migrating Teradata objects (PVs) into Snowflake environment through ETL process.
- Created direct BVs or PVs on top of MT tables and Created BVs or PVs on top of MT tables through ETL process based on script complexity.
- Grant access to created BVs from one role to another role as per project architecture.
- Worked on ServiceNow incidents on HANA data and snowflake data issues, provided solutions to end users and upstream teams.
- In-depth knowledge of Snowflake Database, Schema and Table structures.
- Build the Logical and Physical data model for snowflake as per the changes required
- Created Analytic privileges for calculation views to restrict data access to users based on role and region.

- As per business requirements developed Calculated Columns, Restricted Columns, Filters, Variables, and Input parameters.
- Created Table functions and procedures based on business requirement.
- Involved to Create Informatica workflows from Teradata to target
- Created HDB procedures to load data into HANA tables in full & incremental approach through Control-M Jobs.
- Created Star join views for better performance with Variables and Input parameters.
- Created API views using derived views, Star join views, restricted, calculated columns-based business requirement granularity
- Migrated HANA content from development, testing environment to Production environment using delivery units.
- Designed, documented, developed and test HANA data models.

PROJECT 3	From May'15 to Dec'17

Client Name	British Petroleum
Project Name	WRL Data Team
Role	SAP Business Intelligence Developer
Environment	SAP Netweaver 7.0

Description:
- BPCL. is a British multinational oil and gas .It is one of the oil and gas "supermajors" and one of the world's largest companies.
- Development and Providing Support for the SALES data for the British Petroleum

Contributions:

- Worked on BW models in HANA eclipse environment such as Composite providers, Advanced DSOs and using BW objects exposed as HANA views
- Experience developing end to end data flows for all the data models
- Hands on experience & strong exposure with latest HANA Modeling objects (Creation of Composite Providers, Advanced DSO's, Open ODS Views etc.,)
- Worked with functional consultant for mapping the source data from R/3 to target Data Sources in BI. Defined the initial sizing requirements based on source data volume estimates.
- Created Info Package to perform Delta and Full extraction methods depending on the business requirement.
- Transporting of the developed objects to Quality and Production boxes.
- Created the new process chains and scheduled based on program weekly and monthly basis.
- In Gathering requirements from Users and Analysing data requirements and translated these requirements into InfoCubes & DSO's.
- Involved in Solving high-prioritized tickets regarding extractions, Performance Issues and also load failures.
- Maintaining the queue – related to the system generated tickets and customer generated tickets
- Involved in Solving high-prioritized tickets regarding extractions, Performance Issues and also load failures.
- Maintaining the queue – related to the system generated tickets and customer generated tickets.

- O Generating reports from Bex Analyzer & Validating the reports, Analysis of the HR data using Bex reporting, Used Filters for getting the detailed analysis of the report used free characteristics, Variables, Exceptions depending on the retrieval information of data.
- O Created Process Chain to load Master Data and Transaction data from SAP ERP into BW.

Educational Qualifications:

Completed Bachelor of Information Technology from JNTU, Hyderabad (2010 - 2014)

Personal Details:

Date of Birth	29-08-1993
Gender	Male
Marital Status	Single