Rittwik Ghosh

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Professional Summary

- Having 9+ years of IT experience primarily in SAP Native HANA and Snowflake cloud database.

- Experience in implementing multiple SAP Native HANA and Snowflake project which includes Data Modeling, Data loading from different source system, developing procedures, UDF.

- Designed and implemented SAP HANA modeling solutions including creation of Schemas, Tables, SQL Script Procedures, UDFs, loading data into table using SLT, developing HANA Views, Migrating the objects to higher environments, Query optimization using Plan Visualization & Explain Plan functionality etc.

- I have experience on developing end-to-end Snowflake data warehouse solutions, including data loading, data modeling, schema designing and developing views-Secure and Materialized, integration objects, row access policy, column level security using dynamic masking, stages, tasks, secure data share, streams, external function etc.

- I have worked on different HANA data modelling scenarios which involves creating of Tables, Views, Triggers, Sequence, Synonyms, Hierarchies (Parent-Child and level) Input parameters, Calculated column, Restricted column, Dynamic join, Currency conversion, Analytical Privileges HDB table, Roles files etc.

- Designed and developed framework to create, store and maintain metadata about the etl job execution statistics using SAP HANA procedure.

- Transporting the HANA objects views to higher environments using different tools like HALM and Revtrac, ABAP Based transport etc.

- Experience with loading JSON/CSV formatted data from AWS S3 bucket to snowflake table using Snowpipe and set up file archival process in S3 and failure notification using AWS Labmda, SQS, SNS and API gateway and Snowflake external function.

- Created views and procedure to get the granular level details about snowflake storage and credit usage which the user can compare with the actual monthly bill.

- Created AWS Athena views from JSON file which are uploaded in AWS S3

- Integrated existing SAP FIORI Application with Snowflake DB using Snowflake SQL APIi integration object.

- Developed WEBI and SAP AO reports and recreated some of the existing webi reports using SAP SAC according to the business requirements.

- Worked on developing InfoObjects, DataSources, Data Store Object(DSO), InfoCubes, Multiproviders, Transformations, InfoPackages, Data Transfer Processes(DTP)

- Experienced as Assembly Test Engineer which includes Test case preparation along with HANA Data Model and SAP AO/Webi report testing. and have exposure to different tool like: IBM-Rational-Quality Manager (RQM) tool, Service Now, JIRA, ValGenesis etc.

- Supporting and maintaining the existing HANA views and data flow, bug fixing and and troubleshooting and resolve L2-L3 production issue.

- Worked closely with clients to understand their requirements and provided technical solutions and supports.

Technical Expertise:

Primary Skills:	SAP Native HANA, Snowflake
Other Skills:	SAP BW 7.3, AWS Services (i.e. S3, ATHENA,SNS,SQS,IAM,API Gateway, Lambda)
Databases Language:	SQL, SnowSQL
Reporting Tool:	Analysis for office, WEBI, SAC
Data Integration Tool:	SLT, IICS
Testing Tool:	IBM-Rational-Quality Manager (RQM), Val Genesis

Educational Summary

Qualification	Course	University	Year
Bachelor of Technology	Information Technology	West Bengal University of Technology	2013

Employment Summary

Organization	Designation	Period
IBM	Advisory Consultant	March ,2020 to Present
TATA Consultancy Services Pvt. Ltd	IT Analyst	July 2016 to March 2020
Accenture Services Pvt. Ltd.	Software Engineering Analyst	January 2014 to July 2016

Professional Work Experience

Project	Illumina-AMS
Client	Illumina
Period	August 2020 - till date
Skills	SAP Native HANA, Snowflake, AWS, Denodo, IICS
Role	Consultant

Client Details:

Illumina, Inc. is an American biotechnology company which develops, manufactures, and markets integrated systems for the analysis of genetic variation and biological function. It provides a line of products and services that serves the sequencing, genotyping and gene expression, and proteomics markets.

Roles and Responsibilities:

- As a consultant my roles and responsibilities include Collaborated with data architect to understand the requirement to design and implement the technical solutions. I have implemented SAP HANA and Snowflake data flow model including Data loading, Data modeling, Transportation, view security. I have created several Stored procedures to meet different business needs. I have worked on different AWS services i.e., S3, IAM, Athena, Lambda, SQS, SNS, API gateway as part of the data lake project. I was involved in preparing the project deliverables i.e., technical design document, unit test scripts and solution documents. I also conducted KT sessions with team member to help them to get an insight about project related works and technology.

Project	**RUN-BI (Content: GSPI and ADRM)**
Client	**SAP SE**
Period	July 2016 – March 2020
Skills	SAP Native HANA, SLT, Webi,SAC
Role	IT Analyst

Client Details:

SAP SE is a German multinational software corporation that makes enterprise software to manage business operations and customer relations.

Roles and Responsibilities:

- My role and responsibilities as Developer were creating new HANA objects (Information views, procedures, UDFs, Triggers etc.) and enhancing the existing HANA objects and transporting them Test environment using ABAP based transport. I worked on to redesigning the existing HANA object to improve query execution performance. I migrated existing Attribute Views and Analytical view to Calculation Views and replace them in the calculation views wherever they were used. I have performed data validation between HANA, BW and Reporting layer and documenting the result. I also provided support for ADRM content area and troubleshooting and resolve L2-L3 production issue related to HANA and WEBI reports. I had exposure on SLT to replicate data and on SAC to recreate some of the existing webi reports.

Project	AUS-AD
Client	Astellas Pharma
Period	Oct 2015 – April 2016
Tool	SAP BW/BI 7.3, SAP Native HANA
Role	Software Engineering Analyst-SAP HANA and SAP BW/BI Developer

Client Details:

Astellas Pharma Inc. is a Japanese pharmaceutical company. The purpose of AUS-AD is to help Astellas fundamentally transform their business models to achieve the strategic choices they make.

Roles and Responsibilities:
- As a junior developer my roles and responsibilities included preparing a updating d TDs, UT documents. I was also created Data targets like DSO, Info cube and Info objects in order to meet the end user reporting requirements. I was Involved in creating of Transformation and Data Transfer Process for the Data Loads and Scheduled Info Packages to load Master Data and Transactional Data from Flat File Source Systems into PSA. I worked on to import SAP BW models (Info Cubes and DSO's) to Hana as information views, enhanced and used for reporting.

Project	Griffin-OneBI-CDW
Client	Alcatel-Lucent (ALU), France
Period	May 2014 - September 2015
Skills	SAP HANA Studio, SAP BW, Analysis for office, IBM-RQM
Role	Software Engineering Associate

Client Details:

Alcatel-Lucent is a telecommunications Equipment Company based on France. ALU did not have a centralized data warehouse and the DB were distributed across geographies, so the business is unable to get a big picture of the data. The purpose of CDW project was building one permanent warehouse named as COMPANY DATA WAREHOUSE (CDW) which will act as source for all the required reports and the downstream applications.

Roles and Responsibilities:
- My roles and responsibilities as a junior developer included preparing technical designing documents for R1 and Developing SAP Analysis for Office reports for R1 in addition to its unit testing, and performed Defect Management, defect RCA (root cause analysis) and defect fixing which are raised in R1 AT
  I was also involved in R2 Assembly testing and created test case documents for R2 to ensure coverage of and conformance to business requirements and I also performed data validation and HANA data model testing.
  In this period, I attended training on SAP Native HANA and had hands on experience on different HANA objects as part of the training.

Declaration:

I hereby declare that the above given details are true to the best of my knowledge.

Bangalore   **Rittwik Ghosh**