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PROFESSIONAL SUMMARY

Informatica ETL developer / Data Engineer / Data Analyst

- Having 1.9 years experience as Mainframe system platform modernization and ETL developer.
- Having good knowledge in Informatica Power Centre, Structured Query Language.
- Experience in Analytical tools like ETL,Hive,Hadoop File System(HDFS),Python
- Demonstrated exposure in full life-cycle implementation with skills in executing Software Development Life-cycle (SDLC)
- Proficient in architecting and implementing solutions, including the development of views in Amazon Athena to facilitate the storage of staging data in S3 buckets.
- Orchestrating the finalized views and load data into the Redshift database through the execution of Airflow Directed Acyclic Graphs (DAGs)
- Strong analytical thinking and problem-solving skills
- Strong project management skills and Ability to work independently or as part of a team
- Strong communication skills,
- Possessed Business acumen and strategic thinking in the Insurance Project
- Ability to translate analytical findings into actionable insights and recommendations.

Skills and Competencies:

Architecture & Framework : Informatica Power Centre (ETL Tool).
Databases & NoSQL : MS SQL Server, ORACLE, Amazon Athena
Scripting Language : SQL, Python , Presto SQL , TSQL
OS Platforms : Windows, Linux

Professional Experience

Organization	Role/Designation	Period	Duration (in Yrs)
IT Crats Info Solutions	ETL Developer	April-2022 to Jan-2024	1.10

Project #1

Client : Globe Life
Project Name : PAS
Duration : Apr 2022 to Nov 2023
Role : ETL Developer / Data Engineer

Project Description:

The Legacy Mainframe system platform modernization over to the future Oracle Insurance Policy Administration (OIPA) platform, includes building SOA, ODS, Data Vault, Data Warehouse and BI solutions to address various reporting & analytics needs. It includes applications/Jobs that bring the data from the source systems such as OIPA, Cells, Alis Legacy Stage to Data Vault & ODS (Operational Data Store).

Roles and Responsibilities:

- ETL process management data processing, providing the required Documentation gathering requirements from clients.
- UAT Testing of IICS mappings, Sessions and workflows which are Migrated from Powercenter.
- Mapping enhancements in Powercenter as per client requests.
- Data Modeling: Created DDL Scripts to develop the data Model.
- Data pipeline (ETL Tools) Development: Extracting the data, Uploading into Staging area.
- Reviewing all the Mapping specifications in the STM and verifying all the source and target tables with data types and key constraints.
- Developed mappings with STM Business requirements and load the data to the Targets.
- Entity wise Unit Testing and creation of test case reports by maintaining them in the customer sharePoint location.
- Created an Operational Data Store (ODS) to integrate Insurance data from multiple sources into single database.
- Monitored jobs in All Environment whether they are running correctly or not and also verifying exceptions in the PROD Environment.

Environment: Informatica Powercenter 10.1, Informatica Powercenter 10.5, SQL server, IICS, ORACLE

Project #2

Client	: Globe Life
Project Name	: Actuarial
Duration	: Dec 2022 to Dec 2023
Role	: Data Analyst/ Data Engineer

Project Description:

Legacy Mainframe platform modernization, transitioning into future "Poly" System that is rewriting in AWS Cloud. Led the migration of Monthly and Quarterly jobs from Mainframe to AWS Cloud. Leveraging Amazon Athena and Presto SQL, efficiently extracted and transformed data from the AWS Glue catalog. The project centerpiece was the design and implementation of Python-based Airflow Directed Acyclic Graphs (DAGs), automating data loading into AWS Redshift. This orchestrated approach streamlined data processing and enhanced overall data warehousing capabilities.

The outcome is a modernized, scalable data pipeline, seamlessly integrating monthly and quarterly job processes. The enriched data in AWS Redshift now empowers end business users with timely, actionable insights for analytics.

Roles and Responsibilities:

- Collaborate with stakeholders and Conduct analysis from the upstream users as well as from the client
- Collect real-world data from multiple sources like datalake and SQL Server,
- Optimize/manage business processes by Applying automation using cutting-edge technologies such Airflow, Python, Hive Queries

- Identify business problems, goals, and KPIs such as New Policies Per Agent, Number of Referrals, *Claims Ratio*, *Average Policy Size*
- Developed analytical frameworks for the Reconciliation of Hive Jobs data.
- Build Hive jobs to Prepare reports, dashboards, and presentations
- Developed and enhanced data infrastructure, data pipelines using analytical tools Amazon Athena, SQL, Hive, ETL

Environment: Amazon Athena, HiveQL, AWS Redshift, MainFrame, SQL server, Apache Airflow

QUALIFICATION

BTech : Computer Science & Engineering (CSE)

Declaration:

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Hyderabad

Aravind Addula