**Harish Reddy**

[harishgsql@gmail.com](mailto:harishreddy917@gmail.com)

**Ph: 469-573-3350**

**Summary:**

* 8+ years of IT experience in **Data Analysis**, Design, Implementation of Business Applications using **SQL Server**, Oracle Relational Databases Management systems.
* Strong experience in **Data Profiling, Data Migration, Data Conversion, Data Quality**, Data Governance, **Data Integration**, Data Modelling and Metadata Management Services and Configuration Management.
* Proficiency in **ETL** processing on various data sources like **Oracle**, **SQL** server, **SnowFlake**, **Teradata**, MS Access, **MS** **Excel** and text files.
* Experience in creating **Ad-hoc reports**, data driven subscription reports by using **SQL**.
* In-depth knowledge of **RDBMS** concepts with expert knowledge of constructing Relational Database according to business requirement.
* Extensive working experience in Normalization and De-Normalization techniques for both **OLTP** and **OLAP** systems in creating Database Objects like tables, Constraints (Primary key, Foreign Key, Unique, Default) and indexes.
* Participated actively in all phases of **SDLC** including Requirement Gathering, Designing Data Models, Development, Testing and Post Go Live Support
* Experience with various databases and warehouses like **SnowFlake**, **Oracle**, **SQL** Server, **Teradata** and **DB2**
* Good knowledge about the **SnowFlake**, **Teradata** Architecture and Concepts.
* Dedicated and ambitious professional with knowledge of team building, office operations, and strategic planning.
* Experience in **source to target** mapping based on the business requirements.
* Strong experience in **ETL** data warehousing and implementing all phases of **SDLC** which includes requirement gap analysis, design, Datawarehouse implementation, development, testing, deployment and production support maintenance.
* Mentored and created streamlined training programs for junior Data Analysts allowing work production to start in less than three months.
* Versed at relationship building across all lines of business, utilizing excellent interpersonal and communication skills.  
  Adept at analyzing data making recommendations, and implementing solution according to customer/business needs.
* Extensive knowledge in Stored Procedures, Triggers, Functions, Cursors, Views, Materialize Views and Analytical Functions.
* In-depth knowledge of **Snowflake** Database, Schema and Table structures.
* Hands-on experience with **Snowflake** utilities, **SnowSQL**
* Experience in data load/export utilities like **SnowFlake**, **BTEQ**, Fast Load, Multi Load, Fast Export and **UNIX**/Mainframes environments.
* Good knowledge in **SSIS** packages to load the data from Text File to staging server and then from staging server to Data warehouse.
* Dedicated data acquisition and analysis professional with experience in the day to day and strategic development of processes and procedures
* Involved in **SSIS** packages to extract data from different sources like **SQL** server 2008, MS Excel, MS Access, transform and then load into Dimension and Fact tables **in Data Warehouse** using SSIS.
* Created SQL queries to validate Data transformation and **ETL** Loading.
* Experience in **metadata** clean-up and processing at regular intervals for better quality of data.
* Good knowledge on Pivot Table reports in Microsoft Excel.
* Experience in Building, publishing customized interactive reports and dashboards, report scheduling using **Tableau** server.
* Experience in **Tableau** architecture, designing and developing dashboards using **Tableau** Desktop.
* Experience in installing and configuring Reporting services and assigning permissions to different levels of users in **SSRS**.
* Good knowledge in Big data concepts like **Hadoop**, **HDFS**, **Hive** SQL and Azure **AWS**.
* Worked on **Hive SQL** queries to pull large amount of data.
* Good knowledge in SQL server reporting services (**SSRS**) delivering enterprise, Web-enabled reporting so create reports that draw content from a variety of data sources.
* Expertise with conducting User Acceptance Testing (**UAT**) to validate all the business requirements.
* Comprehensive knowledge of Software Development Life Cycle (**SDLC**), having thorough understanding of its various methodologies like Waterfall, **Agile**
* Experience in programming for generating graphs, data listings and tables using data steps, procedures, **SQL**.
* Experience in creating the project folders by using **Python** in Gitlab and Unix environments
* Good knowledge in understand the **Python** scripts and how it works.
* Good experience in working with various **Python** Integrated Development Environments like Jupyter Notebook One and Anaconda
* Database knowledge and **python** interaction with databases.
* Familiar with **Python** Object Oriented concepts like creating classes, constructors, overloading and modules.
* Knowledge of the primary **AWS** services like EC2, S3(for small data sets processing and storage).
* Hands-on experience with SQL scripting, and in-depth understanding of **OLTP** and **OLAP**.
* Good understanding in database and data warehousing concepts (**OLTP** & **OLAP**).
* Involved in file movements between HDFS and AWS S3 and worked with S3 bucket in **AWS**.
* Expertise designing, developing, and maintaining Informatica Applications.
* Experience in **ETL** development using **Informatica** **PowerCenter** with database **Netezza** and **SnowFlake** technologies.
* Experience in development, maintenance, and enhancement of **Informatica** Mappings, Work-flows, and processes with thorough knowledge of star/snowflake schemas.
* Ability to write complex **SQL's** needed for ETL jobs and analyzing data, and is proficient and worked with databases like **Teradata**, **SnowFlake**.
* Experienced in branching, tagging and maintaining the version across the Environments using SCM tools like **Git, GitLab, GitHub** on **UNIX** and windows platforms.
* Strong knowledge of **Property & Casualty** Insurance business domain assigned software business systems and applications.
* Experience with ETL / ELT(DBT) and MDM Projects.
* Experience with **P&C**(Property and Claims) and Data Warehouse experience.

**Education:**

* Masters in Computer Science, Virginia International University, VA, Grad: 2016, GPA:3.57/4.0
* Bachelors in Electronics and Communications Engineering, JNTUH, Hyderabad, India Grad: May 2013

**Technical Skills:**

**Languages :** C, C++, T -SQL, PL/SQL

**ETL Tools :** Informatics PC - 9.x/8.x/7.x, SSIS, Informatica IDQ

**Reporting Tools :** SSRS, QSI XL, Tableau, Power BI

**Operating Systems :** Windows NT 4.0, Windows 98/2000/XP, Windows 7,8,10, UNIX

**Databases & DWH :** MS SQL, Teradata, MS Access, Snow Flake, Cassandra

**Tools & Utilities :** MS Office, MS Visio, TOAD, SQL Profiler, Control M,HP Service Manager

**Work Experience:**

**USAA, Plano, TX Oct 2020 - Present**

**Role: Data Analyst**

**Responsibilities:**

* Reviews and understands business requirements for development tasks assigned.
* Participated in gathering requirements and understood the business rules, Source system, Target System, Operational Data and Deployment Process.
* Create High Level Design documents by understanding the functional requirements.
* Implemented complex mappings using various transformations in **Informatica** from **SQL** code provided from client.
* Developed ETL designs and SQL scripts in DBT cloud.
* Working with xml files, Tables, Flat files and different data sources.
* Loading data like **Oracle**, **Teradata**, **PL** **SQL** Server, Flat Files, XML Files into Data Warehouse/Data Marts using **Informatica**.
* Experienced to work with little supervision and within changing priorities.
* Involved in analyzing requirements and troubleshoot problems.
* Designed and developed mappings in **Informatica** **PowerCenter** to accommodate business requirements for data extraction, transformation and loading.
* Adapts **ETL** processes to accommodate changes in source systems and new business requirements.
* Interacts with DBAs on data designs optimal for **ETL** performance.
* Manages production deployments and automation, monitoring, job control and production support.
* Migrate the code to test, performance and production environments.
* Works with business users to test programs in Development and Quality.
* Document all processes and mappings related to **ETL** work and follow development best practices as adopted by the Data Warehouse team.
* Developed the **Snow-SQL** scripts, **streams**, **tasks, stored procedures** and **metadata.**
* Works with DBA, System Administration teams to migrate programs to Quality and Production.
* Worked with the DBA and infrastructure team to implement the DDLs, refresh the data, create the DB links and refresh the materialized views, set up the environment and delete the log files in UNIX boxes.
* Worked on various type of Transformations like **Expression, Joiner, and Update strategy, Aggregator, Filter, Lookup, Router, XML Parser, XML Generator, etc.**
* Data acquisition, quality assessment, testing data accuracy and reasonableness, identify relationships in disparate data and resolve discrepancies.
* Collaborated with project managers, legal counsel, and other team members to gather data for data acquisition expansion and outsourcing.
* Pull large amount of data on members and providers writing simple **SQL** queries to customize and generate state reports based on plan requirement.
* Participates in the development improvement and maintenance of **snowflake** database applications.
* Developed the **Snow-SQL** codes, **streams**, **tasks** and deployed in Production for the **Informatica** Power Centre.
* Created Tables, Views and other **Snow-SQL** code and SQL joins for applications following **snowflake** coding standards.
* Validate with SQL queries to ensure that the data from **ETL** process loads to Targets.
* Identify and resolve complex issues, including mass change updates, reconciliation projects, and the operationalization of data from **Netezza** and **Snowflake**.
* Performed the data quality and data profiling in Snowflake data warehouse based on the input requirements.
* Worked on software development using **Python**, libraries, APIs, **UNIX** and relevant toolkits.
* Migrated data from **Netezza** to **Snowflake** Datawarehouse.
* Responsible for Deploying, Scheduling Jobs, Alerting and Maintaining in Dev and Test **Control** M environments.
* Experience in various handy **Python** Libraries such as **Notebook** **One**, **Pandas** and **Jupyter**.
* Worked on **Python** Notebook one libraries creation to execute the SQL scripts and automated them to run in timely manner.
* Used Python run SQL to connect to the legacy data systems to access the data and update/create the tables/views.
* Used **Control M** Job scheduler to run and schedule informatica jobs.
* Developed **UNIX** shell scripts to perform pre and post process tasks, SFTP, decryption, cleansing and Job scheduling
* Performed Unit testing, prepared unit testing document and worked with QA team to test the developed codes and to sign off the bugs before Production releases.
* Created change/release management tickets accordingly for the production release of the developed code and deployed the code to production upon approval of the release ticket from CAB
* Post Deployment, created feed support documentation and feed mapping spec for future reference.
* Created, Scheduling and running jobs across multiple servers as required with **ControlM**.
* Worked on Scheduling and fix failed jobs in **UNIX** via **Control-M** scheduler package.
* Passing parameters to **Control** **M** job, creating job dependencies and alerts as per application team and business requirements.
* Creating and scheduling jobs on the **Control M** tool in both distributed and Mainframe environment (Test and Production)
* Worked on Creating projects in **Git/GitHub/GitLab**, code pushes and CI/CD pipeline processes to update projects in GitLab.
* Created data mapping document with transform rules for auto, property and umbrella data to support final DB Design for the target system.
* Involved in designing and developing database, integrations using DBT (data build tool) in Snowflake environment.
* Developed ETL designs and SQL scripts in DBT cloud according to the standards.
* Experience in code migration from Informatica to DBT and ran the DBT models to refresh the data by using DBT run commands.
* Created models, macros, lookup sources and tests in DBT.
* Worked on DBT code deployment for all environments by using CI/CD pipelines.
* Provide written project status reports to Client and/or Data Management supervisor and verbally present as necessary at Client meetings.
* Worked with stakeholders to define a list of QA metrics and project reports to monitor data quality across MDM and compliance reporting. Work with IT to prioritize and build the data quality platform.
* Worked with business to review identify gaps in the project reporting, data model Informatica ETL mappings.
* Prepares and submits site related recurring and non-recurring project reports.

**Environment:** Informatica PC, Teradata15.10, Snow Flake, Cassandra, Oracle, Notebook One, UNIX, Netezza, MS Office, Microsoft Visio, Control M, Anaconda, DBT.

**Capital One, Plano, TX Aug 2019 – Sept 2020**

**Role: Data Engineer**

**Responsibilities:**

* Responsible to build and maintain well-managed data solutions and deliver capabilities to tackle business problems.
* Work closely with the business stakeholders to provide solutions meeting the defined SLA using provisioned tools, techniques, metrics, and dashboards for data insights and visualization.
* Demonstrated ability to move data between production systems and across multiple platforms.
* Drive an understanding and adherence to the principles of data quality management including **metadata**, **lineage**, and business definitions.
* Collected business requirements from users and translated them as technical specifications and design documents for development.
* Analyzed data and designed the logical and physical model architecture for SnowFlake Datawarehouse.
* Developed the **SnowFlake SQL** codes and deployed in Production for the **Tableau** dashboards.
* Created Tables, Views and other **Snow-SQL** code and SQL joins for applications following snowflake coding standards.
* Performed the data quality and data profiling in **Cassandra** database.
* Migrated data from **Cassandra** to **Snowflake** Datawarehouse.
* Performed the Product ionization for the SnowFlake SQL codes which I built.
* Responsible for Deploying, Scheduling Jobs, Alerting and Maintaining in Test environment.
* Responsible to verify the credit information for consumer before we approve the auto loan application.
* Involved in building the controls to match with Ideal and Policy Engine outputs in a format of **SQL** logics based on input variables.
* Performed the **data quality** and **data validations** on the controls to verify the result of all input variables.
* Worked on **data quality** issues and fixing them on a regular basis.
* Work collaboratively with appropriate Tech teams to manage data access governance and as needed, get engaged with stakeholders to provide technical support on Data Movement process flow.
* Contribute to the build process and provide execution support for the tools to monitor and report on **data quality**.
* Collaborated on the data mapping document from source-to-target and the data quality assessments for the source data.
* Analyzed Source Data to determine what **metadata** was to be included in the Logical Data Model
* Performed data mapping to determine where identified source data belonged in the Data Base.
* Answering the technical queries, driving metric collection and analysis.
* Scheduling tasks on windows task scheduler to run the **Python** scripts to generate reports for frequent interval of times and send email alerts.
* Experience in various handy **Python** Libraries such as **Notebook** **One**, **Pandas** and **Jupyter**.
* Used Python to extract weekly hotel availability information from CSV files.
* Involved in building database Model, APIs and Views utilizing **Python.**
* Experience in **Hadoop** Big Data processing. Expertise in developing the queries in **Hive**.
* Implement ETL process in Alteryx to extract data from multiple sources (SQL Server, XML, Excel, CSV) and schedule workflows. Manage end to end complex data migration, conversion, and data modeling (using Alteryx, SQL), and create visualization using tableau to develop high quality dashboards.
* Discuss business solutions with client business teams, help resolving any existing business or code related problems and finally help improving on the end user report quality.

**Environment:** Teradata15.10, SnowFlake, Cassandra, Oracle, Notebook One, SSIS & SSRS, MS Office, Microsoft Visio, Tableau, Informatica PC, PL SQL, Alteryx

**Centene, St. Louis, MO Feb 2018 – Aug 2019**

**Role: Data Analyst/Business Analyst**

**Responsibilities:**

* Support **HEDIS** certified Quality Spectrum Insight (**QSI**) application on a daily basis, both as an IT support and as a data analyst.
* Assisting in building and **Teradata** and **SQL** data Warehouse which helps to validate the data provided to business team is according to the demands.
* Manage multiple, variable tasks and data review processes, as well as mass data entry, maintenance, and update projects.
* Extracting information from **EDW** database with billions of records for millions of members.
* Identify and resolve complex issues, including mass change updates, reconciliation projects, and the operationalization of data from **EDW, Teradata and SQL server**.
* Validate with SQL queries to ensure that the data from ETL process loads to **QSI-XL**'s landing zone.
* IRS, CMS, **HEDIS** data reporting to Business team.
* Worked on **TOAD data point** for data integration and reporting.
* Pull large amount of data on members and providers writing simple SQL queries to customize and generate state reports based on plan requirement.
* Perform user acceptance testing on new **HEDIS** tools such as QSI-XL.
* Performed advanced data manipulation using **SQL** and **Teradata**.
* Extract, load, model, and reconcile large amounts of data across multiple system platforms and sources.
* Provided advanced analytical support for business financial operations pertaining to; claims, provider data, member data, clinical data **HEDIS**, pharmacy, and external reporting.
* Extracted, modeled, and reconciled big data across multiple system platforms and sources.
* Developed the key strategies including finding trends, providing opportunities and cost improvements.
* Modeled data using MS Excel, Access, **SQL**, and/or other data warehouse analytical tools.
* Led team during several market focused plan assessments responsible for identifying over 5-10 million in annual cost savings.
* Maintaining daily queues and processing data in a timely manner in accordance with health plan requirements.
* Model data using MS Excel, **SQL**, **Teradata**, and/or other data ware house analytical tools.
* Provide analytical support for business operations in the following areas: claims, provider data, member data, clinical data, external reporting.
* Develop reports and deliverables and make recommendations to management and assisted with driving business decisions based on that data.
* Own and support the Advanced Analytics data mart, including all tables, processes and procedures
* Working closely with my team to stay up to date on departmental changes/suggest changes to improve work flow.
* Prepared and documented standard operating procedures and protocols.
* Researched areas for potential provider exploitation by investigating adherence to Medicare   
  guidelines and performing anomaly peer-to-peer analysis.
* Created SSIS package to transfer data between **OLTP** and **OLAP** databases.
* Analyzed, Designed and Implemented the **ETL** architecture and generated **OLAP**reports.

**Enviranment:** Teradata15.10, MS SQL Server 2014, TOAD, SSIS, MS Office, Microsoft Visio, ETL, CNET, QSI XL.

**Capital One, Richmond, VA Jan 2016 - Jan 2018**

**Role: Data Analyst**

**Responsibilities:**

* LOB is US credit card, we use to handle different categories in credit card like analyzing data for approving new credit cards and providing new customers with the credit offers to new customers.
* In capital one whoever is already a credit card holder will be requesting for more credit cards that capital one is offering for that we have same set of rules like he shouldn’t hold more than five credit cards & he shouldn’t miss any minimum payment in last six months and there shouldn’t be any past due amounts.
* We also use to send promotional offer to non-capital one account holders, for those customers whose FICO score is good, and they don’t have any collections filed on their account.
* Based on these rules we use to analyze customer data from the production tables and decide whether or not to approve new credit card.
* We used to send the data to testing team and the final decision taken by them.
* Worked with **BTEQ** to submit SQL statements, import and export data, and generate reports in Teradata.
* Involved in defining the **business/transformation** rules applied for sales and service data.
* Document, clarify, and communicate requests for change requests with the requestor and coordinate with the development and testing team.
* Worked on **metadata** clean-up and processing at regular intervals for better quality of data.
* Involved in data load/export utilities like BTEQ, Fast Load, Multi Load, Fast Export and UNIX/Mainframes environments.
* Created tables and views as per the requirement and wrote complex SQL queries to extract the data from the databases using joins.
* Generated and reported all the reasons that involve in the process of Business Risk Management (BRO).
* Used different BI Tools to insert data into **TERADATA** from different source files.
* Documented a list of controls based upon the script logic, tables used and the scheduling time and the main objective of the control.
* Drive an understanding and adherence to the principles of data quality management including metadata, lineage, and business definitions.
* Work collaboratively with appropriate Tech teams to manage security mechanisms and data access governance.
* Generate daily, weekly and monthly reports as per the specifications/requirements by business users.
* Performed Source to Target data analysis and data mapping.
* Skilled in Tableau Desktop for Data visualization, Reporting and Analysis; cross map, Scatter plots, Geographic Map, pie charts and Bar charts.
* Building, publishing customized interactive reports and Dashboards, report scheduling on Tableau server to make data analysis.
* Worked effectively with the rest of the team in the process of transition of work from Indian team and helped in gathering resources and meeting the deadlines.
* Created and developed Power BI Dashboards.
* Used various sources to pull data into Power BI such as Sql Server, Oracle etc.
* Created SQL queries to validate Data transformation and ETL Loading.
* Building, publishing customized interactive reports and dashboards, report scheduling using **Tableau** server.
* Reviewed basic SQL queries and edited inner, left, and right joins in Tableau Desktop by connecting live/dynamic and static datasets.
* Scheduled data refresh on Tableau Server for weekly and monthly increments based on business change to ensure that the views and dashboards were displaying the changed data accurately.

**Environment:** Teradata15.10, UNIX, Informatica 9.6, MS SQL Server 2012, SSIS & SSRS, MS Office, Microsoft Visio, Erwin Tool, Tableau.