**Redi Marie**

**SQL Developer, BI Developer, Power BI Developer, Data Engineer, Synapse**

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**PROFESSIONAL SUMMARY**

* **7** years of in-depth experience in **Database and BI** developer and **Data Engineer** in SQL Server, Databricks, synapse and Power BI
* As a Database Developer:
  + Created database objects such tables, views, user functions, stored procedures, constraints, etc.
  + Undertook performance tuning by analyzing SQL queries and creating clustered and non-clustered Indexes.
  + Wrote several SQL queries working on DTS, Data Cleansing and Data Migration.
* As a BI Developer:
  + Proficient in creating diverse types of Reports: Matrix, tables with Drill-down, Sub reports using Power BI.
  + Deployed SSIS Packages to Development Servers
  + Excellent in analytical thinking for translating data into informative visuals and reports.
* An excellent team player& technically strong person who has capability to work with business users, project managers, team leads and architects, thus maintaining healthy environment in the project.
* Develop and manage BI solutions, Analyze business processes and requirements.
* Strong in making DAX queries in Power BI desktop.
* Expertise in using advance level calculations on the data set.
* Worked on Azure Synapse analytics.
* Extracted & Migrated Data from heterogeneous data sources like Excel, MS Access, Oracle, SSIS
* Transformed unstructured data from various data sources using SSIS Transformations like Conditional Split, Data conversion, Lookup, Merge Join and Sort and Derived Column for cleaning bad data, validating data.
* Develop and manage BI solutions, Analyze business processes and requirement.

**CORE COMPETENCIES**

* Database Design and Development
* Database Administration
* BI Development
* Systems Analysis & Design
* Data Structures & Algorithm
* Testing, Troubleshooting, Debugging and Evaluation

**Languages:** SQL, DAX, Scala

**Data Warehouse Tools:** SSIS, Power BI, Databricks, IntelliJ Idea, ADF,

**Database:** MS SQL Server 2008/2012/2014/2016/2017, SQL Server Management Studio (SSMS), Visual Studio 2010/2012/2015/2017, Azure Data Lake, Azure Database

**Reporting Tools:** Excel, SQL Server Reporting Services, Microsoft Power BI

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

**Office Package:** Microsoft Word, Microsoft Excel, Microsoft Access, Microsoft PowerPoint, Microsoft Outlook Express

**SKILL SETS**

MS SQL Server 2017,2016/2014/2012,2008, SQL Server Management Studio (**SSMS**), SQL Server Data Tools, SQL, **Power BI**, SQL Server Integration Services (**SSIS**), SQL Server Analysis Service (**SSAS**), Snowflake, Data Transformation Services (**DTS**), Business Intelligence Design Studio (**BIDS**), **ER**-Studio, **Erwin** Data Modeler, Visual Studio, MS Excel, MS Office, MS Access, Power Point, T-SQL, DAX, Scala, [Team Foundation Server](http://msdn.microsoft.com/en-us/library/dn463982.aspx) (TFS), Azure Data Bricks, STATA, Econometrics, Azure Synapse

**PROFESSIONAL EXPERIENCE**

1. ***BI Developer/volunteer***

Gates Foundation May/2023-Current

**Responsibilities:**

* Architecture Design and Implementation and Data Integration.
* Designed and implemented data warehousing solutions using Azure Synapse Analytics.
* Created and optimized data models to support efficient querying and reporting.
* Automated data pipelines to ingest, transform, and load data into Azure database using Synapse.
* Developed ETL (Extract, Transform, Load) processes to move data from various sources using ADF.
* Created a data warehouse and a schema in azure synapse Database.
* Clean, transform, and preprocess raw data to make it suitable for analysis. This involves data normalization.

1. ***BI Developer/ Data Engineer***

Bright Health Apr/2021-May/2023

Apex Systems (end client Bright Health) ***Jul/2020-*** Apr/2021

**Responsibilities:**

* Created complex custom SQL/Scalacode onDatabricksNotebooks
* Read the data from blob storage, process it and finally load it into the Blob storage layer.
* Processed data using the Spark framework and loaded it into the hive tables.
* Created a data flow process that helps to download files from SFTP server to the data lake.
* Setup file operation job to copy the files to the required directory in the data lake.
* Loaded historical data into the data lake.
* Tune data pipelines and systems for optimal performance, scalability, and efficiency.
* Migrated data from SSMS to Data Lake.
* Changed the format of the file into the correct snapshot date using SSIS package.
* Performed updates on the tables by using SQL queries based on the requirement.
* Resolved the PR conflict on GitHub Repo.
* Tune T-SQL queries to improve performance.
* Developed complex program logic using T-SQL
* Maintained the existing SSIS packages by resolving the issue.
* Upload rosters from share point master profile for processing
* Maintain the existing store procedure and view to find out the data issue and understand the logic to solve the business problem.
* Unit Testing, Bug handling and Production Migration for defect fixes and implementing new logic.
* Created Databricks Jobs and scheduled to run daily.
* Investigated when a job runs successfully but fails updating the table with new records.
* Created Bi-Directional view that requires unpivot and pivot based on the business requirement.
* Created the view and table that helps to ingest the roster and build it in visual studio for deployment.
* Created tables, schemas and other database objects.
* Applied mapping by joining different tables to investigate the data issue and build a SQL script.
* Used **Jira** for project management tool.
* Worked in Agile environment.
* Created temp table to identify the specific data.
* Created Hive tables for the files in the data lake.
* Created a reconciliation **notebook** using complex SQL code on Azure Databricks.
* Connected to data sources, importing data and transforming data for Business Intelligence.
* Wrote SQL queries in MSSQL Server 2017/2019.
* Maintained the existing SSIS package and daily extracts.

1. ***SQL Developer, Power BI Developer***

***ProKarma Apr/ 2019- Jul/2020***

I was involved in a project which was to design Enterprise Data Warehouse and build scheduled, on-demand and ad hoc reports by creating complex coding, **Power BI reports** and SSIS packages. And wrote complex **SQL** queries in Snowflake**.**

**Responsibilities:**

* Gathered and understood Business requirements and identified key insights of the data to be **visualized**.
* Maintained Database Schema, Entity Relationship Diagrams, Data Modeling, Tables, Stored Procedures, Functions, Constraints, Indexes, Views and complex SQL statements.
* Take the database reporting needs and turn them into powerful SQL queries that will extract data and compile it into meaningful reports.
* Perform data loads and routine updates on an ongoing basis.
* Optimized the performance of queries with modification in TSQL queries, removed unnecessary columns, eliminated redundant and inconsistent data, established joins and created clustered/non-clustered Indexes.
* Created Stored Procedures, tables, and views, Functions, Constraints and Join statements by using SQL.
* Developed **Power BI reports** on shared point server based on various data sources.
* Import data from different data sources to create Power BI reports and dashboards.
* Developed **Power BI** reports to create dashboards and a few metrics reports for the team.
* Utilize data **visualization** tools, Power BI, interactive visualizations that allow users to explore data and make a decision.
* Maintained the table performance by normalization, creating indexes and collected statistics by using query optimization and query execution plans.
* Loaded data from different sources such as Flat files, MS SQL Server Database, excel and web, filter it as needed.
* Wrote complex SQL queries in Snowflake.
* Supporting day to day operational activities for the database platform like service requests and tickets.
* Connecting to data sources, importing data and transforming data for Business Intelligence.
* Utilized Visual Studio 2017 in order to develop dynamic reports.
* Performed updates to the SQL system as assigned by management.
* Collaborated with business support professionals to provide full system maintenance.
* Developed summary reports including line and pie charts, trend analysis reports and sub-reports according to business requirements using Power BI by applying DAX if needed.
* Participated in Databases Architecture and data modeling design.
* Created reports using time intelligence calculations and functions.
* Execute dashboard setups and data manipulation using DAX.
* Proficient in making DAX queries in Power BI desktop.
* Expertise in using advance level calculations on the data set.
* Created Sub-reports, **drill** down Reports, Summary Reports and Ad-hoc Reports using Power BI and developed complex stored procedures and functions to generate dashboard reports.
* Conducted data analysis and validation to ensure the accuracy and integrity of data used for **visualization**.
* Designed and developed visually appealing and intuitive dashboards, reports, and interactive **visualizations** to present complex data into a simple and concise report.
* Performed data cleansing and massaging using power BI query editor component.
* Developed summary reports by including **visualizations** like map, table, column chart, bar and pie charts, trend analysis reports and sub-reports according to business requirements using Power BI.
* Worked extensively with business users gathering requirements to generate customized SQL reports.

1. ***SQL BI Developer/ETL***

***Wells Fargo Aug/ 2018- Apr/2019***

The main scope of this project was to perform analysis, design and implementation of **ETL** processes and architecture for Data Warehouse.

**Responsibilities:**

* Used DDL for creating tables, schemas and other database objects.
* Created staging tables and SQL scripts to implement business logic loaded data from sources such as Relational tables, Flat files, MS SQL Server to Data Warehouse and target tables.
* Designed and converted different DTS packages into one SSIS package and created email notification SQL task inside the package to send an email if tasks in the package workflow succeed or fail.
* Designed, developed, and deployed effective ETL using SSIS packages and Azure Data Factory (ADF) pipelines.
* Monitor and fix issues in the SSIS packages and ADF for the ETL/ELT jobs.
* Schedule jobs to run automatically using SQL server agent and created variables and configured files to make the SSIS package more dynamic.
* Performed data cleansing and massaging using various transformation components in SSIS including Conditional Split, Derived Column, Merge Join, Multicast, Sort, Union all and Row Count Transformations.
* Testing and preparing Testing documents for the SSIS packages before moving into production environment.
* Performed performance tuning like partitioning of sources, targets, mappings and SQL queries used in Source Qualifier to provide maximum efficiency.
* Program specific database functions to create database triggers and design data tables.
* Collected data from multiple sources and added it to the database.
* Isolate and resolve issues with data and databases.
* Write scripts to analyze data and perform specific data queries.
* Preparing documentation using the sample template for future reference and maintenance.
* Developed summary reports including line and pie charts, trend analysis reports and sub-reports according to business requirements using.
* After reviewing and analyzing data, design reports to show statistics and other information about specific database topics.
* Assisted power users in creating and maintaining reports and dashboards to deliver business intelligence to the organization.

1. ***SQL SSIS/BI Developer***

***Ethiopian Airlines Dec/2015 – Feb/2018***

The project I was involved in was designing Enterprise Data Warehouse and building scheduled, on-demand and ad hoc reports by creating complex SQL coding, SSIS packages. Additionally, managing the Reporting databases was also part of the project.

**Responsibilities:**

* Created Stored Procedures, tables, and views and Join statements for applications by using SQL.
* Maintained the table performance by normalization, creating indexes and collected statistics by using query optimization and query execution plans.
* Designed, Implemented and Maintained Database Schema, Entity Relationship Diagrams, Data Modeling, Tables, Stored Procedures, Functions, Constraints, Indexes, Views and complex SQL statements.
* Optimized the performance of queries with modification in TSQL queries, removed unnecessary columns, eliminated redundant and inconsistent data, established joins and created clustered/non-clustered indexes.
* Used T-SQL for creating various Complex Objects like Tables, View, Functions and Stored Procedure for storing and processing data in required form.
* Created Sub-reports, drill down Reports, Summary Reports, Parameterized Reports, and Ad-hoc Reports using Power BI and developed complex stored procedures and functions to generate dashboard reports.
* Administered the SQL Server security by creating logins (Windows authentication and SQL server Authentication mode) and grant the minimum privileges to the users and actively monitoring them.
* Migrated all DTS packages to SQL Server Integration Services (SSIS) and modified the packages accordingly using the advanced features of SQL Server Integration Services.
* Created SSIS Packages using Pivot Transformation, Fuzzy Lookup, Derived Columns, Condition Split, Aggregate, Execute SQL Task, Data Flow Task and Execute Package Task.
* Worked extensively with business users gathering requirements to generate customized.
* Involved in automating database administration tasks like scheduling Tasks, Setting Alerts, configuring SQL server agents, Managing Task Scheduling, setting up SQL database Mail, Managing Alerts and operators, Monitoring and Tuning SQL Server
* Created jobs, alerts to run SSAS, SSIS packages periodically, automated processes for the activities such as database backup processes and SSAS, SSIS Packages run sequentially using SQL Server Agent job.
* Monitor and fix issues in the SSIS packages and ADF for the ETL/ELT jobs.

**EDUCATION**

* BA Degree Major in **Economics** and Certification in **Computer Science**