**Kawoma Uga**

**kawomauga@gmail.com**

**240-630-0398**

**Professional Summary**

* 7+ years of experience in database design and development of database systems using Microsoft SQL Server 2016/2014/2012/2008r2 and Oracle SQL Developer Data Modeler.
* Deployed best practices for standard naming conventions and coding practices to ensure consistency of data models.
* Involved in all the stages of the Software Development Life Cycle (SDLC).
* Experience in writing T-SQL (DDL, DML, and DCL) statements; and in creating and maintaining SQL Server database objects such as tables, stored procedures, triggers, indexes, user-defined functions, views, and cursors.
* Experience in Error Handling T-SQL Code using Try-Catch and @@error handling functions.
* Designed indexes and indexed views to speed up query performance and used database engine tuning advisor for further suggestions.
* Experience in the Extraction, Transformation, and Loading (ETL) of data using SQL Server Integration Services (SSIS).
* Developed SSIS/ETL packages for different Data Flow and Control Flow processes with different data sources (SQL Server, flat files, Excel source files, XML files, etc.) and loaded the data into target tables by performing different kinds of transformations.
* Performed data cleansing using different transformations within SSIS packages to eliminate redundant data from the pre-staging database.
* Involved in all the stages of the ETL Testing life cycle.
* Maintained and supported the enterprise data warehouse system.
* Implemented Slowly Changing Transformation by using SSIS, to maintain Historical Data in Data warehouse.
* Experience in providing logging, error handling by using Event Handler, and Custom Logging, and Performance Tuning in SSIS packages by using transformations like Row Transformations, Block and Unblock Transformations, OLEDB Commands.
* Scheduled jobs using SQL server agent to automate ETL packages to run as per the requirements.
* Experience in developing Business Intelligence (BI) solutions for Decision Support Systems using SSIS, SSRS, SSAS, Power BI, AWS QuickSight, and Tableau.
* Experienced in creating and publishing interactive dashboards including ML Insights using AWS QuickSight, and Hands-on experience with Power BI (Power Pivot, Power View, and Power Map)
* Experienced in developing different reports like using cascade parameters, drill down and drill through reports, matrix reports, sub-reports, parameterized reports, Ad-Hoc, and charts using SQL Server Reporting Services (SSRS) based on requirements and visualization solutions for internal and external analysis and reporting purposes.
* Detail-oriented, working under pressure and meeting short deadlines with exceptional problem-solving and decision-making analytical skills and strong teamwork spirit.

**Technical Skills:**

* **Databases:** Microsoft SQL Server 2016/2014/2012/2008R2, MySQL, ORACLE 11g
* **Language**: T-SQL, SQL, PL/SQL, JAVA, C++, HTML, CSS
* **ETL TOOLS**: DTS, SSIS, SSDT, BIDS, ODI
* **Data Modeling:** Oracle, SQL Developer Data Modeler
* **Tools:** SSMS, SQL Server Profiler, Database Engine Tuning Advisor, Extended Events, Data Transformation Services, Business Intelligence Development Studio.
* **Software:** Visual Studio, MS Office Suite
* **Operating Systems:** Windows, Linux
* **Cloud Technologies:** AWS(RDS), Azure (ADF)
* **SDLC:** Agile methodology, JIRA

**Professional Experience**

**Forbright Bank**

**08/2020 – Present**

**Role: Sr. SQL/ETL/BI Developer**

**Responsibilities**

* Involved in the complete Software Development Life Cycle (SDLC) process by analyzing business requirements and understanding the functional workflow of information from source systems to destination.
* Optimized and updated logical and physical data models to support new and existing projects.
* Involved in the complete SSIS life cycle in creating SSIS packages, development, deployment, and execution of the package.
* Created views, stored procedures, and appropriate functions, to facilitate efficient data manipulation and data consistency.
* Designed and implemented Modular and Reusable ETL processes and associated data structures for Data Staging, Change Data Capture (CDC), Data Balancing & Reconciliation, Exception Handling & Reject Recycling, Surrogate Key Generation & Assignment, Data Lineage Tracking, ETL Auditing, etc.
* Extract, transform, and load information to or from a database by using DTS.
* Involved in ETL architecture enhancements to increase the performance using query optimizer.
* Verified whether the data is transformed correctly according to business requirements and verified that the projected data is loaded into the data warehouse without any truncation and data loss.
* Created test cases from data mapping sheets and set up the environment.
* Rebuilt the indexes at regular intervals for better performance.
* Troubleshot SQL Server-related CPU/Memory, I/O using Performance Monitor; Collaborated with system teams and development teams for codes’ release including MSSQL database changes and patches.
* Developed complex SQL queries and was involved in the optimization of databases and tuning of long-running SQL Queries by using SQL Server Profiler and Database Engine Tuning Advisor.
* Implemented Event Handlers and Error Handling in SSIS packages and Advised optimization of queries by looking at the Execution Plan for better tuning of the database.
* Effectively worked on Data migration. Built command files for data migration, files to generate the view, and bulk insert and back up out and migrate data from legacy to the target databases.
* Generated reports for the management using different techniques like Drill down, Tabular reports, Matrix reports, List reports, Parameterized, Pie charts, Graphs, Linked Reports, and Drill Through using Expressions, Global variables, and Functions.
* Built, and published customized interactive reports and dashboards, report scheduling using Power BI

**Environment**

SQL Server 2016, 2014, 2012, Data Modeling, Visual Studio 2017, Oracle GGS, Service Broker, Tableau, Power BI, MS Access, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), SQL Server Analysis Service (SSAS.)

**ETL Developer / SQL Developer**

**07/ 2016 to 08/2020**

**Wayfair**

**Responsibilities:**

* Gathered, analyzed, classified, and documented project requirements from BI analysts and directors and completed data mapping process, related to claim history, property value, three financial sheets, etc.
* Used T-SQL to create database objects based on business specifications such as stored procedures, user-defined functions, and views in SSMS.
* Involved in building Data Warehouse based on Star Schema and Data Marts
* Developed ETL packages in SSIS to import data on a weekly basis from the OLTP system to the landing zone in the staging area and migrate it to Date Warehouse and data marts.
* Performed incremental loading tasks to migrate the data from heterogeneous sources to Data Warehouses and Data Marts as well as implementing the slowing changing dimension to protect or discard historical data based on requirements.
* Cleaned and validated the data in the staging area, corrected and unified the format, handled the missing values, transformed the data, and split or combined columns based on specifications.
* Created multiple control flows based on specifications including data flow tasks for data migration or conversion, Script Tasks for dealing with variables, Foreach Loop Containers for realizing loop functions, and File tasks for creating weekly records.
* Applied different types of transformations like Data Conversion, Lookup, Conditional Split, Derived Columns, and Merge in SSIS
* Debugged the packages and identified error information and stored it by using breakpoints, analyzing processes, and error output in SSIS as well as sending an error email message while a task fails.
* Worked with the test team to operate unit testing on completed packages and Production Control Team to schedule the operation of the entire package.
* Used pages, cascading parameters, expressions, and other features to create drill-down reports, drill-through reports, and nested reports as operational reports in SSRS.
* Interacted with the Data Science team, developed risk management reports using Tableau for advanced visualizations.

**Environment**: SQL Server 2010/2012, Oracle 10g, SQL Server Management Studio (SSMS), MS BI Suite (SSIS/SSRS), Business Intelligence Development Studio, Visual Studio 2008/2010, Tableau 8/9, MS Office Suite 2013 (Excel/Access/Word/PowerPoint), TFS

**Education and Certifications:**

BSc. In Information Technology: University of the District of Columbia