**MADHU SAPKOTA**

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**TITLE: SQL BI Developer**

**Technical Summary**

* Around 6 Years of experience as SQL Server BI developer (SSIS/SSRS) including writing T-SQL Programming.
* Designed and developed the SSIS package to import the data from various sources such as Excel, Flat file, SQL Server 2012 etc.
* Excellent knowledge of using variables and expressions in packages.
* Good knowledge in Tuning SQL queries, T/SQL queries & improving the performance of the Database.
* Experience in creating Clustered and Non Clustered indexes on tables
* Designed SSIS package to transfer data between servers, load data into database, and archived data file from different DBMS using SQL enterprise manager/SSMS on SQL server.
* Hands on Experience in using Dynamic Management Views, Index Tuning Wizard, and SQL Profiler for Monitoring and Tuning SQL Server Performance.
* Migrated data in various formats like text based files, Excel spreadsheets, to SQL Server databases using SQL Server Integration Service (SSIS) to overcome the Transformation constraints.
* Knowledge in designing and implementing relational database model as per business needs.
* Experienced in Extracting and Transforming data using SSIS in SQL Server 2008/2008R2/2012 and SQL 2014 Data Tools.
* Experience in used Views for complex joins queries involving multiple tables from different database.
* Good hand in Extraction, Transforming and Loading (ETL) data flows using SSIS; creating mappings/workflows to extract data from SQL Server and Flat File sources and load into various Business Entities.
* Worked on different SSIS Tasks of data flow and control flow
* Expertise in developing Parameterized, Chart, Graph, Linked, Dashboard, Drill-down and Drill-through reports using SSRS.
* Expert in creating indexes, Views, complex Stored Procedures, user defined functions, cursors, derived tables, common table expressions (CTEs) and Triggers to facilitate efficient data manipulation and data consistency.
* Designed ETL package dealing with different data sources (SQL Server, Flat Files) and loaded the data into target data source by performing different kinds of transformation using SQL Server integration Services (SSIS).
* Extensive experience and knowledge in T-SQL–DML, DDL, DCL, Transactions, Joins, Stored Procedures, Triggers and Functions.
* Good hands-on working experience with using all kinds of SQL Server Constraints, Writing Transact SQL (T-SQL) Queries, Sub queries, & Dynamic-queries.

**Professional Experience**

**Wells Fargo, Charlotte, NC May2016 – Current**

**ETL SQL Developer**

**Responsibilities**

* Developed complex Stored Procedures to generate various Drill-through reports, Parameterized reports, Tabular reports, Matrix reports and linked reports using SSRS.
* Involved in gathering Report Development Specifications (RDS) and SOWs for creating reports.
* Used table variables and Common Table Expressions (CTEs).
* Worked closely with the offshore team in finding solutions to arising problems.
* Developed complex parameterized reports which were used for making current and future business decisions.
* Used SQL Server Data Tools for schema and comparison between two databases in two different environments.
* Generated Reports using Global Variables, Expressions and Functions for the reports.
* Worked closely with DBA’s deploying packages for staging/production server with shell scripts.
* Created packages in SSIS with error handling as well as created complex SSIS packages using various data transformations like conditional split, lookups, aggregations, expressions, fuzzy look up, for each loop, multi cast, column conversion, fuzzy grouping, script components
* Involved in designing Parameterized Reports for generating Ad-Hoc reports as per the client requirements.
* Designed Contract Retention database using SQL Server 2012 technology.
* Developed data mapping documentation to establish relationships between source and target tables including transformation processes.
* Created new ETL Jobs to bring in data from different core systems depending on the business requirements received.
* Helped ETL team find solutions on SQL Server Integration Services (SSIS) to integrate and analyze data from multiple homogeneous and heterogeneous information sources(Excel, SQL 2000, SQL 2005, SQL 2008, SQL 2008 R2 and SQL 2012)
* Worked with tabular, matrix, chart reports, drills down reports as well as interactive reports according to business requirements.
* Used SQL Server Data Tools for schema and comparison between two databases in two different environments.

**Environment:**MS SQL Server 2008R2, MS SQL Server 2012, MS SQL Server 2014, BIDS[SSIS, SSRS], Visual Studio 2010, Visual Studio 2008, MS Excel, and Window 2008 R2.

**Allstate Insurance, North brook, IL Jan2015-Mar2016**

**MSBI/ETL Developer**

**Responsibilities:**

* Installation and configuration of SQL Server 2012.
* Took over the designing of newer data warehouse and produced data models using Erwin. Considered different ways of approaching the designing of database and documented all the possible ways before building the data warehouse.
* Discussed and documented the building of data warehouse at every step.
* Exported the existing data from a legacy database to a newer database.
* Optimized the existing stored procedures and automated them for various tasks.
* Created new Database objects like Tables, Views, indexes and functions.
* Developed a new set of complex stored procedures for newer business requirements.
* Imported data from various sources like Excel, Access.
* Experience in SQL joins, sub queries, tracing, indexing strategies and query/index tuning and performance tuning for better running of queries.
* Used SQL Server Profiler to trace the slow running queries and the server activity.
* Developed ETL packages using multiple data sources (SQL Server, Flat Files, Excel source files, XML files etc) and then loaded the data into destination tables by performing different kinds of transformations using SSIS transformations.
* Experience in SQL joins, sub queries, tracing, indexing strategies and query/index tuning and performance tuning for better running of queries.
* Participated in disaster prevention and recovery strategies.
* Optimized the existing SSIS packages to fix various issues and improve performance.
* Built SSIS Packages for processing fact and dimension tables with complex transforms.
* Designed new SSIS packages to extract data from newer OLAP and OLTP sources and transferred the data to SQL Server using BIDS.
* Implemented Event Handlers and Error Handling in SSIS packages and notified process results to various user communities
* Worked on troubleshooting various issues with the existing ETL process.
* Provided documentation for SSIS packages and also various other procedures.
* Involved in setting up SQL Server Agent Jobs for periodic Backups with backup devices, database maintenance plans and recovery
* Worked on Micro strategy for producing various reports.
* Built new attributes, metrics and filters.
* Altered the existing attributes and metrics according to the changes at the data warehouse level.
* Assisted on building various complex reports at Micro-strategy level.

**Environment:**MS SQL Server 2012, BIDS [SSIS], Visual Studio 2010, Micro-strategy, MS Excel, MS Access and Window 2008 R2, Erwin.

**NON-MEDIA COMMUNICATION (Dallas, TX) (Oct2013–Dec2014)**

**SSIS Developer**

**Responsibilities**

* Designed SSIS Packages to transfer data between servers, load data into database, and archived data file from different DBMS using SQL enterprise manager/SSMS on SQL server.
* Involved in Normalization and De-Normalization of existing tables for faster query retrieval.
* Involved in designing Parameterized Reports for generating Ad-Hoc reports as per the client requirements.
* Gathered business requirements, definition and design of the data sources and data flows.
* Written T-SQL statements for retrieval of data and Involved in performance tuning of TSQL.
* Monitored and provided front-line support of daily processes.
* Helped create process logging and new monitoring tools, integrity reports, and mapping tools.
* Created SSIS packages for File Transfer from one location to the other using FTP task.
* Create and maintain SSIS packages to extract transform and load data in to SQL Server.
* Experience in creating scheduling Jobs, Alerts, SQL Mail Agent, and scheduled DTS Packages.
* Involved in ETL architecture enhancements to increase the performance using query optimizer.
* Configured the loading of data into slowly changing dimensions using Slowly Changing Dimension wizard.
* Designed various SSIS modules in order to fetch the data in the data staging environment based on the different types of incoming data.
* Designed and created Report templates, bar graphs and pie charts based on the financial data.

**World Finance Corporation (Dallas TX)(Jul 2011 – Aug2013)**

**T-SQL/SSRS Developer**

World Finance Corporation is one of the largest small-loan consumer finance companies in the United States. It offers short-term small loans, medium-term larger loans, related credit insurance products, ancillary products and services to individuals who have limited access to other sources of consumer credit. It also offers income tax return preparation services to its customer base and to others.

**Responsibility**

* Designed and applied Entity and Attributes description and definition for the models.
* Implemented different types of Constraints on tables designed in the data staging area for the migration.
* Designed various packages using various task e.g. For Each Loop, File System Task, Fuzzy Lookups, Multicasting various others for data cleansing.
* Scheduled and maintain packages by daily, weekly and monthly using SQL Server Agent in SSMS.
* Created Project Expense Statements in all Data marts and other Financial Reports using SSRS.
* Developed yearly and quarterly company expense reports.
* Tuning SQL query for better performance using SQL Profiler.
* Performed Index analysis for tables and came up with more efficient solutions to use Clustered and Non-Clustered Indexes for significant performance boost of the existing product databases.
* Created complex Stored Procedures, Triggers, and Functions for validation process & for loading data from the staging are to the product database in SQL 2005.
* Implemented Views (Partition View, Parameterized Views) and other T-SQL code for making joins between the tables.
* Created SSIS/DTS packages for Finance application that would transfer data among servers and
* Perform other data transformations; scheduled the same SSIS packages by creating the corresponding job tasks.
* Developed, Maintained, and Monitored all import/export and Data Transformation into the Staging, Production and Data Warehouse environments.
* Created and developed query for Drill Down and Drill through Reports using SQL Server 2005 Reports Services (SSRS).
* Documented all database objects, which were used in the project and for further upgrades and maintenance.
* Generated daily, weekly and monthly reports using SSRS.

**ENVIRONMENT**

MS SQL Server 2000/2005, Windows 2003 Server, SSIS, SSRS, T-SQL, Business Intelligence studio, Management Studio 2008/2008R2/2012.