**Name: Mounika Sapa**

(Business Intelligence Developer)

Phone: +1 **(509)-641-1189**

SSIS, SSAS, SSRS, Power BI

E-mail: [mounika.sapa@outlook.com](mailto:mounika.sapa@outlook.com)

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Summary

* Over 8+ years of experience in **Business Intelligence as BI Developer in data modelling, development and maintenance of database applications** on MS SQL Server 2005/2008/2008R2/2012/2014, **SSIS/SSRS/SSAS for both OLTP and OLAP Systems**.
* Knowledge in **Full Life Cycle Development (Waterfall & Agile)** of projects in various domains such as **Insurance, Service, and Retail Industries**.
* Involved in various phases of Software Development Life Cycle (**SDLC**) including Analysis, Design,Development, Testing, Implementation and Maintenance.
* Expertise in Integration Services (**SSIS**) and SQL Server Reporting Services (**SSRS**) with Good knowledge in SQL Server Analysis Services (**SSAS**) and **Power BI**.
* Extensive experience with SQL programming in developing **Stored Procedures,Views, Triggers, User Defined Functions, Cursors, Derived Tables, Common Table Expressions (CTEs) XML and Complex Queries on SQL Server**.
* Strong experience in performance tuning and query optimization using tools like**SQL Server Profiler, Database Tuning Advisor and Index Tuning Wizard**.
* Created and Configured **Data Source & Data Source Views, Dimensions, Cubes,Measures, Partitions, KPI's & MDX Queries using SQL Server Analysis Services**.
* Experience in **Data mining & Analysis** on source systems.

APPLICATIONS

**ETL (Extract, Transform, and Load):**

* Excellent in High Level Design of **ETL SSIS Packages** for integrating data using OLE DB connections from **heterogeneous sources (Excel, CSV, Oracle, flat file, TextFormat Data**) by using multiple transformations provided by SSIS such as **Data Conversion, Execute SQL Task, Data Flow Task, SCD, Lookup, Bulk Insert, Merge and union all**.
* Experience in some basic development coding with **C#** while working with **SSISScript Component**.
* Expert in Data Extraction, Transforming and Loading (**ETL**) using various tools such as SQL Server Integration Services **(SSIS), DTS, Bulk Insert and BCP.**
* Experience working with different **SSIS Configuration** options and Deployment Methods for different environments use.
* Experience in designed **Data conversions** from wide variety of source system using SSIS.
* Experienced in creating Jobs, Alerts, and scheduling SSIS Packages.

**Data Mining/Predictive Analysis/Modelling:**

* Strong experience in Creating, Designing and Processing a Multi-Dimensional Analysis Cubes (Configured Cubes, Dimensions, Measures, MDX Queries, DAX Data mining) using **SQL Server 2005/2008/2008R2/2012/2014 Analysis Services (SSAS)**.
* Hands on experience in creating **Dimensions and measures, KPIs.**
* Knowledge in Data warehousing, Data Modeling like Dimensional Data Modeling, **StarSchema Modeling, Snow-Flake Modeling, FACT and Dimensions Tables** using Analysis Services
* Experience using **Data Mining tools Microsoft Analysis Services**.
* Experience in Preparing **Tabular design** and SSAS components.
* Experience in creating different types of cubes/schema in Analysis Services.

**Reporting Services:**

* Experience in writing Parameterized Queries for generating stylish **Tabular reports, Drill down, Drill through, Cascading, Parameterized, click through, Matrix, Chart, Snap shot reports, Formatting report layout, Sub reports using Global Variables, Expressions, Functions, Sorting the data, defining data source and subtotals for the reports using SSRS.**
* Experience in deploying created reports in various sources like **Web browser** and **PDF**.
* Created**Power BI Visualizations and Dashboards** as per the requirements.
* Experience as **Report Writer** for understanding each client business reporting requirement, designing, creating and maintain of simplex to complex reports.
* Experience in generating **reports** for **OLTP** and **OLAP** databases.
* Exposure in using Team Foundation Server (**TFS**) as a source control, source repository and project tracking solution.
* Excellent communication and interpersonal skills and has ability to handle multiple tasks, can take initiative to handle responsibilities independently as well as a proactive member of a team.

Technical Skills

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| --- | --- |
| Programming Languages | C, C#, PL/SQL, MDX, DAX, T-SQL, PL/SQL. |
| ETL & OLAP Tools | SQL Server Integration Services(SSIS), Business Intelligence Development Studio(BIDS), SQL Server Analysis Services(SSAS), Power Query, Power Pivot. |
| Reporting Tools | MS SQL Server Reporting Services(SSRS),Power BI,Excel (Power View) |
| Database Tools | SSMS, BIDS/Visual Studio 2005/2008/2012/2013. |
| SQL Server Tools | SQLServer Management Studio(SSMS), Enterprise Manager, Query Analyzer, SQL Profiler, Export & Import(DTS) |
| Web Technologies | HTML, VB-Script, XML |
| Office Suite/ Tools | MS SharePoint2010/2013, MS Office (Word, Excel, Power Point, Access)2007/2010 |
| Operating Systems | Windows 2008/2012 R2 Advanced Server, NT & Windows 9x |
| Source Control | Team Foundation Server (TFS) |

Education Bachelor’s in Electrical and Electronics Engineering from JNTU, India.

Professional Experience

**Hallmark, Kansas City, MO Aug 15 - Present**

**Role: MSBI Developer**

**Responsibilities**:

* Served as a good Team Player for the Business Intelligence team.
* Involved in Requirement gathering meetings with the client, capture all the requirements and documented.
* Developed SQL queries, scripts and stored procedures used for extracting, validating,

transforming and loading data provided by clients.

* Optimized the performance of queries in SQL queries, normalized tables, established joins and created clustered/non-clustered indexes wherever necessary.
* Designed different kinds of reports like Linked, cascaded and parameterized reports and Worked on Drill Down and Drill-through Reports etc.
* Expert in working on activities related to the development, implementation, testing and support of ETL processes using Bulk Copy Process (BCP), Data Transformation Services (DTS) and Change Data Capture (CDC).
* Worked on Type 1 and Type 2 packages for incremental to load data from source to DataMart.
* Wrote complex SQL queries for data analysis to build up reports for business users.
* Created reports in Power BI preview portal utilizing the SSAS Tabular via Analysis connector.
* Created different visualization in Power BI according to the requirements.
* Responsible for deploying the SSIS packages and scheduling the package through jobs in all tiers Including dev, quality and production.
* Created different Facts and Dimension tables to increase the performance of complex SQL queries that are used in SSRS reporting.
* Created packages with different control flow options and data flow transformations such as Conditional Split, Derived Column, Look up, Data Conversion, Merge, Merge Join
* Used SSIS and SQL Server stored procedures to transfer data from OLTP databases to staging area and finally transfer into data marts.
* Extensively worked on production support that includes Deployment of SSIS Packages into Development, Production Servers, Creating, Scheduling and Managing the SQL Jobs.
* Extensively worked on Design and development of SSIS (ETL) packages to extract, transform and load data from different Sources like Excel files, flat files to the Data warehouse using different tasks and transformations like File System Task, Data Flow Task, Derived Columns, and Execute SQL Task.
* Worked on Execution of the paths depending on the success, failure or Completion of other tasks with precedence constraints and expressions to determine the workflow.

**Environment**: MS SQL Server 2012, T-SQL, PL/SQL, Excel2010, Power BI, SSIS, SSAS, SSRS, SQL Server Business Intelligence Studio, C#, MS Access, XML, TFS, Query Analyzer, SQL Server Profiler, SVN version controlling, Visual Studio 2010/2012/2013.

**Liberty Mutual, Dover, NH  Nov 14 - Aug 15**

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

**Responsibilities:**

* Worked in AGILE methodology in development of Database Objects in SQL Server 2005/2008/ 2008 R2/2012.
* Filtered and cleansed bad data from legacy system using complex Transact- SQL statements in staging area, and implemented various constraints for data consistency.
* Developed SQL Queries to fetch complex data using Inner/Outer joins, sub-queries, complex filters and database links.
* Optimized the performance of queries in SQL queries, normalized tables, established joins and created clustered/non-clustered indexes wherever necessary.
* C# language is used for Script task. Script task is primarily to control the flow of SSIS package.
* Extensively used BI tools like Integration service, Reporting Services and Analysis services in MS SQL server 2008R2.
* Performed data cleansing by creating tables to eliminate the dirty data and implemented Error Logging using SSIS.
* Developed Packages using most of the Tasks, Containers and Transformations in SSIS.
* Strong background in Data Warehousing principles and methodologies.
* Designed different kinds of reports like Linked, cascaded and parameterized reports and Worked on Drill Down and Drill-through Reports, Tabular, Matrix etc.
* Experienced in developing stored procedure driven reports, building custom application on reports, formula writing/editing in reports, Report Administration and performance tuning of reports.
* Used various SSIS tasks such as Conditional Split, Multicast, Fuzzy Lookup etc., which did Data Scrubbing, including data validation checks during Staging, before loading the data into the Data warehouse.
* Created customized reports using various chart types like, Text Tables, Bar, Pie, Maps, Line Charts, Pivot Tables, slicers, Do-nut, KPI graph, Filled map Combination Charts in Excel and power BI.
* Created Cubes with Star schema in SSAS and developed SSRS reports based on the cubes.
* Used Performance tools like SQL Profiler, Index Tuning Wizard and Database Engine Tuning Advisor.

**Environment**: SQL Server /2012/2008 R2/2008, T-SQL, Excel, C#, Microsoft BI, Windows Server 2008, Visual Studio, Query Analyzer, SQL Server Profiler 2008, SVN version controlling, Power Pivot and Power View.

**AT&T, Dallas, TX    Oct 12 – Oct 14**

**Role: SQL/BI Developer**

**Responsibilities:**

* Actively participate in gathering of user requirement and system specification.
* Responsible for writing SQL queries, stored procedures, views, triggers, T-SQL and SSIS.
* Increased query performance necessary for statistical reporting by 25% after performance monitoring, tuning and optimizing indexes.
* Created/Maintained clustered/non-clusteredIndexes for fast and efficient reporting process. Indexed views, dimensions and stored outlines for optimal performance.
* Check the performance of each query using SQL Profiler, Index Tuning Wizard and Estimated query plan optimize the performance tuning of SQL queries and stored procedures.
* Deployed SSIS packages and Reports to Production Servers.
* Designed dynamic SSIS Packages to transfer data crossing different platforms, validate data during transferring, and archived data files for different DBMS.
* Created Datawarehouse Cubes in SQL Server Analysis Service (SSAS).
* Created partition table for very large database for good performance.
* Generated database monitering and data validation reports in SQL Server Reporting Service (SSRS).
* Reported all events and requirements through established reporting mechanisms in SSRS.
* Reviewed and developed data models and database designs with development team.
* Designed and developed OLAP using MS SQL Server Analysis Services.

**Environment**: SQL Server 2008 R2/2008/2005/2000, T-SQL, Excel, MS Access, Advanced Windows Server, Query Analyzer, SQL Server Profiler.

**Continental Airlines, Chicago, IL   Oct 10 – Sep 12**

**Role: SQL Server/BI Developer**

**Responsibilities:**

* Gathered functional requirements, Business requirements and wrote the technical specifications for building the Global Enterprise Data warehouse.
* Designed and maintained a web reporting environment including portal, dashboards, scorecards and presentations using SQL Server 2005 and ASP.Net.
* Implemented transactional replication among different servers to have high availability of the data.
* Created DDL, DML scripts, stored procedures and triggers according to the requirement and designed ad hoc queries on the database tables.
* Created views/indexed views consisting of computed columns to facilitate easy user interface.
* Created and Implemented triggers in T-SQL to facilitate consistent data entry into the database.
* Done High Level Design of ETL using transformations in SSIS Package for integrating data from heterogeneous sources (Excel, CSV, Oracle, flat files, Text Format Data).
* Developed multi-dimensional databases (MDDB), OLAP cubes and data marts using SQL Server Analysis Services (SSAS) that stored and maintained the data.
* Performed final verification procedure for SQL release to production environment.
* Documented all database changes, followed and enforced change and release management processes.

**Environment:** SQL Server 2008 R2/2008/2005/2000, T-SQL, Excel, MS Access, Advanced Windows 2003 Server, Query Analyzer, SQL Server Profiler.

**RR Donnelley (Chennai, India) Aug09 – Oct 10**

**Role: SQL Server Developer**

**Responsibilities:**

* Worked with Implementation team and closely moved with end users to implement manufacturing solutions.
* Maintained the production, test and development databases, tuned the database by improving relations, integrity constraints and written SQL procedures for transactions, created indexes for performance tuning.
* Developed several database objects such as Tables, Triggers, Views and Stored Procedures.
* Assisted the Application team in data modeling and SQL coding.
* Completed complex SQL queries for analyzing purposes and created multiple stored procedures, views.
* Responsible for debugging and tuning during the test period, creating indexes and security design for database to improve performance.
* Developed complex T-SQL code such as Stored Procedures, functions, triggers, Indexes and views for the application.
* Used Joins, correlated and non-correlated sub-queries for complex business queries involving multiple tables & calculations from different databases.

**Environment:** SQL Server 2005, SSIS, SSRS, MS-Excel, Visual Studio 2005, Windows server 2003.