**Tharala**

Sql.msbidev9@gmail.com

(508)-841-6117

**Professional Summary**

* Around 6 years of IT experience as SQL Server Developer and involved in Designing, Development, Implementation and Maintenance of applications. Strong programming knowledge in TSQL and SQL SERVER 2008/2012/2014/2016, Report Development (SSIS, SSRS), Performance Analysis, Deployment Script Development, Production Support.
* Strong experience with T-SQL (DDL & DML) in implementing and developing stored procedures, triggers, nested queries, joins, cursors, views, user defined functions, indexes, user profiles, relational database models.
* Proficiency in Microsoft Business Intelligence technologies like MS SQL Server Integration Services (SSIS), MS SQL Server Analysis Services (SSAS) and MS SQL Server Reporting Services (SSRS).
* Strong experience in Database Installation, Capacity Planning, Implementing Backup and Recovery Strategy for application and database.
* Expert in Creating, configuring and Fine-tuning SSIS packages, SSRS reports and T-SQL queries using tools like SQL profiler Monitoring tool.
* Experience in creating jobs, alerts, SQL mail agent, and schedules for SSIS Packages in SQL Server Agent.
* Excellent experience in Designing, Maintaining and tuning various RDBMS like T-SQL & MS SQL Server 2005/2008/2008R2/2012/2014/2016 and MS Access databases.
* Excellent experience in Designing, Maintaining and tuning various RDBMS like T-SQL & MS SQL Server 2005/2008/2008R2/2012/2014/2016 and MS Access databases.
* Expert knowledge and experience authoring, managing and deploying reporting solutions using SSRS.
* Good knowledge on Performance point services and worked on few Performance Point Dashboards.
* Expert in generating writing parameterized queries, drill through reports and formatted SQL server Reports in SSRS 2005/ 2008/2008 R2/2012/2013 using data from ETL Loads and various heterogeneous data sources. Experience in designing, creating, processing of cubes using SSAS and also in Dimensional Modeling.
* Good experience in MDX scripting and created Multi-dimensional expressions using MDX scripting.
* Efficiently used Data Flow Tasks such as Excel Source, Flat File Source, OLE DB Source, Data Conversion, Lookup, Aggregate, Audit, Multi Cast, OLE DB Command, Sort, Union All, and Copy Column, Derived Column, Cleaning bad data, Validating data using Derived Column, Row Count, Excel Destination, Flat File Destination, OLE DB Destination, Raw File Destination, SQL Server Destination, Record Set Destination of the integration services (SSIS).
* Very good experience with ETL (Extract, Transform, and Load) processes for OLTP & OLAP environments as well as Experience in Reporting Services (SSRS 2000/2005/2008/2008R2), Crystal Reports & Integration Services (SSIS).
* Experience in working in agile Scrum development methodology.
* Report Service experience with Microsoft Excel Power Pivot.
* Good knowledge on C# and also in Web technologies such as HTML and XML as well as in some design level Overview using MS Visio.
* Experience in configuration of report server and report manager scheduling, permissions to different level of users in SQL Server Reporting Services (SSRS). Worked on SSRS reports for applications like windows application or web application.
* Experience in working on Dash boards using COGNOS Tool, like web-based reports, scorecards, and dashboards.
* Expertise in using global variables, expressions and functions for the reports with immense experience in handling sub reports in SSRS.
* Performed Log Shipping and implemented Transactional and Snapshot Replication as high availability techniques.
* Experience in working on ad hoc requests for information from systems and assists with configuration of reports in a timely, efficient, and accurate manner.
* Developed in-depth understanding of underlying data, data structures, and business uses to ensure reports meet client needs.
* Good Knowledge on Power BI and also worked to make changes in some functions like date, currency also with DBA’S monitored daily jobs for all environments and resolved the bugs if job fails.
* Excellent communication skills, analytical skills, understand business requirements in various domains. Quick learner and good performer both in team and independent job environments.

**Technical Skills**

|  |  |
| --- | --- |
| **SQL Server Tools & Databases** | SQL Server Management Studio 2016/2014/2012/2008R2/2008/2005/2000, SQL Server Business Intelligence Development Studio, Power BI |
| **Operating Systems** | Windows 95/2000/2003/XP/VISTA/7/8/8.1,LINUX,UNIX |
| **Languages** | C/C++, Microsoft Visual C# 4.0, T-SQL,VB.NET, HTML, CSS,AJAX, XML |
| **ETL and BI Tools** | Data Transformation Services, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), Microsoft Power BI (Power Pivot, Power View), Power Query, Power Map, Visual Studio, Power BI |
| **Databases** | MS-SQL Server 2016/2014/2012/2008 R2/2008/2005/2000, MS Access. |
| **Scripting** | Shell Scripting |
| **Application Software** | Visual Studio, MS Office, SQL dialect, MS Visio |
| **Reporting Tools** | SSRS, SSAS, Crystal Reports, Excel reporting, Cognos |
| **DB Utilities and design tools** | SQL Server Management studio, Query Analyzer, SSAS Cubes, MDX scripting, SQL Server Profiler, Visual Studio Team Foundation Server(TFS), Business Intelligence Development Studio(BIDS), Import &Export Wizard, Microsoft Management Console, SQL Server Enterprise Manager |
| **Application Packages** | MS Outlook, MS Office, Microsoft SharePoint Server (MOSS) |

**Professional Experience**

**SQL/ MSBI Developer July 2017–Till Date.**

**AllianceTek Inc., Malvern, PA**

**Roles and Responsibilities:**

* Responsible for gathering requirements writing Business Approach Documents (B.A.D) and Technical Documents for the new projects and creating the data flow model of the Business requirement. Manually documented each process and the flow of the package.
* Worked under Agile Methodology throughout the project, performed decisive role in developing and planning as well as coordinating with assigned sprints.
* Created SSIS packages that involves migration from legacy systems to centralized Database and also involved in integrating different Database Applications using SSIS packages.
* Created Views, Materialized Views to get the values dynamically using joins and other SQL queries from the multiple tables also created mappings and workflows as per the business requirement.
* Created Drill-down and Drill- through reports, also scheduled and managed weekly/monthly inspection and violation reports based on the business requirements.
* Extensively worked on production support that includes deployment of SSIS Packages into Development, Production Servers, Creating, Scheduling and Managing the SQL Jobs.
* Trouble shooting the failed SQL jobs due to errors in the sample processing and fixing them and re-scheduling the SQL Jobs.
* Validate data before performing ETL transformations and load into SQL server database. And Created stored procedures, Cursors, Joins in T-SQL.
* Worked in troubleshooting and debugging stored procedures, upgrading existing ones according to new requirements.
* Intensively worked on transformations like Derived column, Import column, Export column, Row count, Union all, Copy column, Lookup, Data Conversion with SSIS. And also on Execute SQL Task, Mapping the right and required data from source to destination, Data Flow Task, Data Conversion, For each Loop Container.
* Used SQL Server Integration Services (SSIS) Migrated data from Heterogeneous Sources and legacy system (Oracle, Access, Excel) to centralized SQL Server databases to overcome transformation constraints and limitations. Fine-tuned queries to make the reports run faster, worked on query run time analytics.
* Worked on development of SSIS package to generate excel reports individually and consolidated reports by dynamically passing the carrier ids from the SQL Table in Shared Folder to make available to the business users.
* Worked on the fixing the bad data in Legacy Tables in batches, Created a logic to validate the data before loading to the clean table and bad data will store in the separate table and in Excel Report and notify by emails using expressions in SSIS Packages.
* Worked with Web Service task where some of the binary files will be converted into XML element.
* Widely worked on to improve SQL Query performance, SQL Query analytics and highly complex joins to populate the desired result set.
* Worked on re-design of the few SSIS Package which involved very complex logic and more than a hundred tables and tasks and developed simplified version of the Packages.
* Implemented transformation mapping through BizTalk server with the help of Visual Studio to achieve data transformation from one type to another.
* Strong understanding of Data Modeling in data warehouse environment such as star schema and snow flake schema and also with Dimensional Modeling.
* Widely worked on Script Task and expressions such as to check file availability at the run time and notify by the emails and also created a logic using Script Task to pick the certain date range of the files from the share folder and dynamically pass the file names to the For each loop container in SSIS.
* Implemented Distributed Transaction Control for the SSIS packages and event handlers to keep track of error logs. Also, to trigger emails about the failure using Email task. Effectively used script task to perform validation of files and archiving it.
* Comprehensively worked on SQL scripts using local and Global Temp Tables, Variables and Table Variables, Common Table Expressions (CTE) as per the requirement and convenience.

**Environment:** Microsoft SQL Server 2016/2014/2012/2008 R2, SSDT, Microsoft Excel, SSIS/SSRS/SSAS 2012/2008, Data Stage ETL, Microsoft TFS, Microsoft Office, Power BI, Profiler, Visual Source Safe, BIDS, Visual Studio.

**MSBI Developer /Power BI Sep 2016–June 2017**

**Encore Capital Group, San Diego, CA**

**Roles and Responsibilities:**

* Designed best practices document for ETL and Reporting systems. Used ADO.Net for database connectivity, storage and retrieval on SQL Server.  Identified the fact and dimension tables from the SQL server based on the requirements.
* Created and managed schema objects such as tables, views, joins, clusters, indexes, functions, procedures, triggers & maintaining Referential Integrity.
* Created Distributed Partitioned Views, Debugging/Troubleshooting Stored Procedures, and upgrading existing ones.
* Implemented Event Handlers and Error Handling in SSIS packages and notified process results to various user groups as well as implemented security for customer information by encrypting sensitive data using SQL.
* Used various Control Flow tasks in SSIS like For Each loop Containers, Sequence container etc., and data flow tasks like derived column, lookup, Fuzzy Lookups etc. Also worked with the script task using Microsoft Visual C# language in SSIS Packages.
* Configured and created SSIS solutions for ETL and Business Intelligence Process for Data Integration and Migration services.
* Created SSIS packages to load excel sheets from PC to database. Used Microsoft Power BI Power Query to extract data from external sources and modify data to certain format as required in Excel.
* Created Power BI Dashboards (Power View, Power Query, Power Pivot, and Power Maps) and integrated them to share point.
* Developed new mappings using SSIS Look Up/Aggregation transformations to match the needs of the business case.
* Involved in daily loads (FULL & INCREMENTAL) into Staging and ODS areas, troubleshooting process issues and errors. Captured technical metadata through data modeling tools.
* Developed Data Mart using Star Schema. Reviewed the Current Data Mart and OLAP Cubes and Proposed Corrections and enhancements.
* Worked on upgrading or migrating Analysis Services and also responsible for maintaining cubes using SSAS and populate the cubes with the data.
* Used SSAS MDX to extract data from cubes and Created MDX script for representing Cube Calculation.
* Used Power BI Power Pivot to develop data analysis prototype, and used Power View and Power Map to visualize reports.
* Created reports with Analysis Services Cube as the data source using SQL Server Reporting Services.
* Developed SSRS reports for the business in Agile project environment.
* Created Ad-hoc reports, Tabular reports, Drill down and Drill up reports and also used SSRS Report Catalog to store the Configuration, Security and Caching Information for the Operation of the Report Server.
* Developed SSRS reports, ad-hoc Reports, Sub Reports, Linked Reports, Report Models and Drill down reports for Sales for the business in Agile project environment for Finance and Revenue Management teams.
* Delivered the final SSRS Report using the Request Handler as well as generated Parameterized/dropdown SSRS Reports.
* Experienced in maintaining and supporting operation reports, dashboards, and scorecards using Microsoft Power BI (Power Pivot, T-SQL, Excel pivot tables).
* Monitored and optimized ETLs and BI databases to ensure performance and data integrity. Assist in determining the impact of operational issues, provide input to resolution and perform root cause analysis (RCA).
* Worked with star schema by building relationships between Fact Table and Dimension tables.
* Performed daily tasks including backup and restore by using SQL Server tools like SQL Server Management Studio, SQL Server Profiler, SQL Server Agent, and Database Engine Tuning Advisor.

**Environment:** MS SQL Server 2014/2012/2008 R2/2008 Enterprise Edition, Microsoft Visual Basic, MDX, VBScript, XML, SSIS/SSAS/SSRS 2012/2008, Power BI, SSDT, Visual Studio, .NET Framework , Microsoft Excel, T-SQL

**SQL BI Developer June 2015 – July 2016**

**ARRIS Group Inc., Austin, TX**

**Roles and Responsibilities:**

* Used SSIS to create ETL packages (.DTSX files) to validate, extract, transform and load data to data warehouse databases and data mart databases. And also used T-SQL for creating stored procedures, indexes, cursors and functions.
* Created packages in SSIS with custom error handling and worked with different methods of logging in SSIS.
* Created SSIS Templates for developing SSIS Packages in such a way that they can be dynamically deployed into Development, Testing and Production Environments.
* Created SSIS packages to retrieve data from legacy sources and also to retrieve PII user data from the flat files on monthly and weekly basis.
* Created tables, indexes and designing constraints using T-SQL statements for retrieval of data, and involved in performance tuning of T-SQL Queries and Stored Procedures.
* Enhanced and deployed the SSIS Packages from development server to production server.
* Wrote the ETL scripts to load the data into database from various source files. Implemented error handling and troubleshoot the scripts that fail to load the data into database.
* Integrated SQL Server 2008 R2 reporting services with Microsoft SharePoint Portal Server to deliver automatically generated reports to the Share Point Portal.
* Created various types of reports and defined report layouts for formatting the report design as per the need using SSRS for report generation.
* Developed Sub Reports, Matrix Reports, Charts, and Drill down Reports, using SQL Server Reporting Services.
* Generated Reports using Global Variables, Expressions and Functions for the reports.
* Worked on querying data and creating on-demand reports using Report Builder in SSRS reports and send the reports via email.
* Administrated the created reports by assigning permission to the valid user for executing the reports and also created logins, users and configuring permissions and assigning roles to users.
* Involved in database schema design and development and also in Migration of databases from SQL Server 2005 to 2008 R2.
* Involved in design and implementation of SQL Server 2012 in development, test and production environments.
* Worked on the creation of views to restrict access to data in a table for security.
* Generated server side T-SQL scripts for data manipulation and validation and created various snapshots and materialized views for remote instances.

**Environment:** Microsoft SQL Server 2014/2012/2008 R2,SSDT, Microsoft Excel, SSIS/SSAS/SSRS 2012/2008, Microsoft Office, Power BI, Visual Studio, Microsoft Share Point Server.

**MSBI/ETL DEVELOPER** **Sep 2014– April 2015**

**D2K TECHNOLOGIES PVT. LTD, India. India**

**Roles and Responsibilities:**

* Implementation and delivery of MSBI platform solutions to develop and deploy ETL, analytical, reporting and scorecard / dashboards on SQL Server 2008 using SSAS, SSIS/DTS, SSRS.
* Creating Database objects – tables, views, and functions and developing procedures for implementing application functionality at the database side for performance improvement.
* Development of SQL Server Maintenance plan, scheduling of Jobs, Alerts and Troubleshooting.
* Database Performance of Index tuning by using Database Engine Tuning Advisor to resolve Performance issues.
* Developed, deployed and monitored SSIS Packages for new ETL Processes and upgraded the existing DTS packages to SSIS for the on-going ETL Processes.
* Worked with the Migration of DTS packages to SSIS packages also Tuned Stored Procedures and Queries for optimal Database performance.
* Designed SSAS cube to hold summary data for Target dashboards. Developed Cube with Star Schema.
* Experienced in Data Marts, Data warehousing, Operational Data Store (ODS), OLAP, Star Schema Modeling, Snow-Flake Modeling, Fact and Dimensions Tables using MS Analysis Services.
* Created aggregations, partitions, KPI’s and perspectives for a cube as per business requirements.
* Created bottom count, top count, cross join, non-ascendants and log MDX queries for creating calculations and KPI’s on a cube.
* Create reports in Power BI preview portal utilizing the SSAS Tabular via Analysis connector and also created roles using SSAS to restrict cube properties.
* Implemented cell level security in cubes using MDX expressions to restrict users of one region seeing data of another region using SSAS.
* Developed and optimized database structures, stored procedures, Dynamic Management views, DDL triggers and user-defined functions.

Environment: MS SQL Server 2012/2008/2005, SSIS, SSRS, T-SQL, Crystal Reports 7/8, Windows 2008 Advance Server, VB.NET, MS Excel, and MS Office.

**MSBI/ETL DEVELOPER** **Jan 2014 – Aug 2014**

**Espire Infolabs Pvt.Ltd, India. India**

**Roles and Responsibilities:**

* Created database objects such as tables, procedures, triggers, constraints, indexes and views.
* Used SQL profiler to view indexes performance to mostly eliminate table scan. Used highly complex T-SQL Queries and SQL Scripts to perform efficient data load based on complex Business rules.
* Created various DTS packages for data transfer and migration also Created Stored Procedures and T-SQL code for complex business logic.
* Extract data from database and export to Excel files for Data Analyst to analyze the data.
* Involved in Normalization and De-Normalization of existing tables for faster query retrieval
* Involved in analyzing and designing disaster recovery / replication strategies with business managers to meet the business requirements.
* Created reports using stored procedure that involved in scheduling, creating snapshots and subscriptions for the reports (SSRS).
* Created ad-hoc reports using SQL server 2005 Reporting Services (SSRS).
* Designed and developed matrix and tabular reports with drill down, drill through using SSRS.
* Responsible for testing to optimize the procedures and triggers to be used in production.
* Involved in project planning also schedule for database module with project managers.
* Scheduled Packages using SQL Server Agent Jobs to execute at specified time on weekly and monthly basis.

**Environment:** MS SQL Server 2005/2000, BIDS, MS power point, MS Access, MS Excel, Windows 97/2000/XP.

**SQL DEVELOPER** **March 2012 – Dec 2013**

**Inimitable Solutions Private Limited, India. India**

**Roles and Responsibilities:**

* Participated in developing Logical design of database incorporating business logic and user requirement and building entity relationship(ER) diagrams.
* Identified relationships between tables, enforced referential integrity using foreign key constraints. Used Views, Triggers and Stored Procedures for updating and cleaning the existing data and the new data.
* Created Database Objects like Tables, Stored Procedures, Functions, Views, Constraints and user defined data types and also written Stored Procedures and functions as per business requirement.
* Created T- SQL objects & scripts used to maintain data integrity across all databases throughout database servers.
* Defined Check constraints, Business Rules, Indexes and Views and wrote SQL procedures with optimized complex queries to extract data.
* Participated in system specification meetings, analyzed user requirements, coordinated with coders and team members.
* Design, Development, Implementation and support of ETL process involving various data sources and destinations using SSIS.
* Created SSIS packages to extract data from OLTP to OLAP systems and scheduled Jobs to call the packages and Stored Procedures.

**Environment:** Microsoft SQL Server 2008/2005, Excel (pivot tables), SSIS, SSAS, SSRS, T-SQL, VB Script, Visual studio 2005, MS Access.