****Satwik Reddy Chilka

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SQL Server SSIS/ SSRS Developer

**Professional Experience:**

Over 8 years of extensive experience as a **SQL Server BI Developer (SSIS/SSRS)**. Specialize in creating **Store Procedures/TSQL Coding, Performance and Tuning, User Defined Functions and Physical and Logical Database Design**. Expert in **MS SQL Server** Suite of Products i.e.**SSIS (Integration Services), SSRS (Reporting Services)** on various business domains like**Federal, Health Care and Pharmacy.**Excel under pressure in deadline driven environment with superior interpersonal communication and technical documentation skills.

**Developer**

* **Experienced**in all phases of**Software Development Life Cycle(SDLC),**starting from business requirement gathering and analysis to testing and deployment.
* **Good experience** in Information Technology field as a **SQL server Developer** with strong expertise in **SQL server development, designing Stored Procedures/Transact-SQL coding.**
* Hands on Experience in **Installing, Configuring, Managing, Monitoring and Troubleshooting SQL Server 2016/2014/2012/2008/2005.**
* Expert in creating**complex Stored Procedures, User Defined Functions,**andeffective**Triggers**to**facilitate**efficientdata manipulation and data integrity.
* Experienced in strategically implementing the indexes such as **Clustered index**, **Non-clustered index**, **covering index** appropriately on data structure to achieve faster data retrieval.
* Experience in **Migrating** from **SQL Server 2005 to SQL Server 2008** and **SQL Server 2008 to SQL Server 2014.**
* Excellent experience in **Performance Tuning**, Monitoring and **Optimization**of T-SQL blocks in both Development and Production environment for SQL server database.
* **Worked** very closely **with Customers, End users**and**powered users** collect requirements and training or resolve any business process related issues.
* Proficient in using**SQL Profiler, Execution Plan**and**Performance Monitor.**

**BI Developer**

* Extensive experience in creating **complex SSIS** packages.
* Extensive experience in using various tasks, containers, sources, transformations and destination in **SSIS**tool while transferring the data from various sources systems into the destination.
* Transformed data from various data sources to SQL Server using **BCP, DTS**and**SSIS.**
* Extensively used **SSIS Import/Export** Wizard for performing the **ETL** operations.
* Involved in **Performance Tuning**& Deployment of SSIS packages.
* Proficient in creating different **Package Configurations** such as SQL Server, XML configuration and Parent package variable.
* Implemented different **Logging** in SSIS packages to log events during the run time.
* Strong understanding of Dimensional Modeling technique, Multi-Dimensional Database Schemas like **Star, Snowflake Schema**, Fact and Dimensional tables, one to many relationships, many to many relationships and DW concepts.
* Performed different types of loads **Incremental Load, Optimized Load & Binary Load.**
* Experience in implementing various levels of **File/Document** and **Data level Security for SSRS.**
* Highly Proficient in creating **SQL Server Reports**, handling sub-reports and writing queries to perform **roll-up** and **drill down** operations in **SSRS** 2008.
* Experience with adhoc reporting, Parameterized, Custom Reporting using **SSRS** for daily reports and **SSAS** projects.
* Experience in report writing using **SQL Server Reporting Services (SSRS)** and in creating various types of reports like table, matrix, and chart report, web reporting by customizing URL Access.
* Database backups and troubleshooting production databases and cube sync processing issues and SSAS issues.
* Created Star Schema for OLAP cube generation and extensively worked dimension modeling for analysis service using SSAS.
* Highly experienced with whole cycle of DTS/SQL server integration services (SSIS 2008/2012) Packages (**Developing, Deploying, Scheduling, Troubleshooting and monitoring**) for performing Data transfers and ETL Purposes across different servers.
* Experience on providing Logging, Error handling by using Event Handler, and Custom Logging for SSIS Packages.
* Experience on **Performance Tuning** in SSIS packages by using Row Transformations, Block and Unblock Transformations.
* Expertise in generating reports using **SQL Server Reporting Services**and **MSExcel spreadsheets** and **Power Pivot**.
* Expert on designing Enterprise reports using SQL Server Reporting Services generated **drill down reports, parameterized reports, linked reports, sub reports, ad-hoc reports**,**matrix dynamics and filters, charts in SSRS.**
* Experience in creating interactive reports with SSRS, using the report parameters, query parameters, Filters and Expressions.
* Good exposure on visualization tools Tableau and MS power BI.
* Generated **Reports**using **Global Variables, Expression**s and **Functions** for the reports.
* Generated periodic reports based on the statistical analysis of the data from various time frame and division using **Power BI**.
* Created **Ad-hoc reports**, data driven subscription reports by using **Report Builder** in SSRS.
* Good knowledge of **Data Marts, Operational Data Store (ODS), OLAP, Dimensional Data Modeling**, **Star Schema Modeling, Snow-Flake Modeling** for **FACT and Dimensions Tables** using Analysis Services.
* Created Dashboard pages in **SharePoint Server** that use different types of **web parts** and **excel services** for reports.
* Used Team Foundation Server (**TFS**) for assigning & integration of tasks, defect management and source & version control.
* Used **Team Foundation Server** for **sprint planning**, tracking bugs and work items and as a version control.
* Has very strong background in a disciplined **software development life cycle** (SDLC) process and has excellent analytical, programming and problem solving skills.
* Good team player, Excellent interpersonal and **communication skills** combined with self-motivation, initiative and the ability to think outside the box.
* Expertise in defining the business process flow and **gathering business requirements**.
* Expertise with **Agile & waterfall** methodology.
* Involved in performing Unit Test, Regression Test, Functional Test, integration Test, Stored Procedure Performance Test, on Test server and preparing combined Developer Training document along with waterfall, Spiral and Agile methods with full SDLC (Software Development Life Cycle).

**TECHNICAL SKILLS:**

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| --- | --- |
| **Languages** | **T-SQL**, PL/SQL, Dynamic SQL, MDX, **C#, ASP (.NET**), XML, HTML, Shell Scripting |
| **Databases** | MS SQL Server 2016/2014/2012,2008R2,2008 Oracle. |
| **DWH / BI Tools** | SQL Server Integration Services (**SSIS**), SQL Server Reporting Services (**SSRS**), SQL Server Analysis Services (**SSAS**), Business Intelligence Development Studio (BIDS), Visual Studio, Power BI. |
| **Database   Design Tools and Data Modeling** | MS Visio, ERWIN, Star Schema/Snowflake Schema modeling, FACT& Dimensions tables, Physical & logical data modeling and De-normalization techniques, **Kimball &Inmon Methodologies** |
| **Packages** | MS Office, Microsoft Office Suit, Microsoft Office SharePoint Server (MOSS). |
| **Tools and Utilities** | SQL Server Management Studio, SQL Server Enterprise Manager, SQL Server Profiler, Import & Export Wizard, Visual Studio .Net, Microsoft Management Console, DTS, Business Intelligence Development Studio (BIDS), Tableau, Power Pivot, Microsoft Office, Excel Power Pivot, Power BI. |
| **Operating Systems** | Windows 8/7/Vista/XP, UNIX. |

**Education:**

* Bachelor of Technology in Computer Science Engineering from JNTU, India**.**

**Professional Experience:**

**Meritor, Troy, MI                                                                                01/17 – 01/18**

**SQL Server SSIS/SSRS Developer**

**Responsibilities:**

* Participated in Business Processes with the Business Analyst/Client delivery to understand the requirement and Reviewed High Level Design Documents, Functional Specifications documents with the Technical Manager.
* Optimized Stored Procedures and long running queries using query-optimization techniques.
* Participated in Design/Discussions of ETL flow from different source systems into **Datawarehouse**(DWH) model (Start Schema).
* Created **Source to Target** (STT) mapping document for DWH ETL process.
* Involved in writing stored procedures, Triggers, User-defined Functions, Views and Cursors for both Online and Batch requests handling business logic and functionality of various modules.
* Experienced in writing T-SQL, working on DTS, SSIS, SSRS, Data Cleansing and Data Migration.
* Experienced and knowledge in T-SQL, DML, DDL, Transactions, Stored Procedures, Triggers and Functions etc.
* Migrated **SSIS** packages from SQL Server 2008 R2 to SQL Server 2012 as SSIS packages.
* Did SQL performance monitoring and tuning of reporting data by optimizing indexes and stored procedures.
* Involved in performance tuning of T-SQL queries and Stored Procedures.
* Created efficient, robust SSIS packages for data movement and loading with error checking and well documented code.
* Created complex stored procedures to perform Index maintenance, data profiling, metadata search, critical staging procedures for loading data marts and reporting database.
* Highly skilled and experienced in data modelling, analysis, transformation, and exchange.
* Defined and implemented target Siebel data model and transformation and migration rules (ETL) for conversion of customer data sourced from multiple legacy data sources.
* Responsible for requirement gathering, business process flow, business process modeling and business analysis
* Performed as-is analysis, to-be analysis, data Analysis, Gap analysis, competitive analysis, comparative analysis, process flows and business flows.
* Coordinated with system architects and developers to convert business requirements into system requirements
* Involved in Designing, Developing and Testing of the ETL (Extract, Transformation and Load) strategy to populate the data from various source systems feeds using SSIS.
* Created SSIS packages (.dtsx files) to validate, **extract**, **transform** and load data to data warehouse databases.
* Extensively worked with SSIS tool suite, designed and created mappings using various SSIS transformations like OLEDB command, conditional split, lookup, aggregator, multicast and derived column.
* Wrote stored procedures and User Defined scalar Functions (UDFs) to be used in the SSIS packages and SQL scripts.
* Use ETL to implement the slowly changing Transformation, to maintain Historical Data in Data warehouse.
* **Deployed** SSIS package into production and used **package configuration** to export various package properties to make package environment independent.
* Implemented **event handlers** and error handling in SSIS packages and notified process results to various user communities.
* Created the design documents for the entire project including table structures and design logic of stored procedures, packages and Reports.
* Created numerous efficient stored procedures to perform **data cleansing** and loading task when data is loaded into staging area.
* Analyzed and tuned **complex Queries**/**Stored Procedures** in SQL Server 2008 for faster execution and developed database structures.
* Responsible for development of complex reports by using **SSRS**. Developed various **Cross Tab Reports**, **Drill down**, **Sub Reports**, and **Parameter Reports**
* Developed heavy formatted, complex formula reports, reports with advanced features like conditional formatting, and multiple grouping reports.
* Deploying and scheduling Reports using **SSRS** to generate all daily, weekly, monthly and quarterly Reports Including current project status.
* Implemented Performance Tuning and Query Optimization. Worked on identifying and resolving slowly running packages and reports.

**Environment**: SQL Server 2012/2014, Power BI, SSIS/SSRS/SSAS 2010, Visual Studio, Team Foundation Server (TFS).

**Diplomat Pharmacy, Flint, MI                                                                          04/16 – 12/16**

**SQL server SSIS/SSRS Developer**

**Responsibilities:**

* Gathered and translated business requirements into detailed, production-level technical specifications detailing new features and enhancements to existing business functionality.
* Created **logical/physical** models and conceptual models using **ERwin** and **VISIO** for Reporting.
* Participated in JAD sessions to resolve critical issues.
* **Performance Tuning** of multiple databases by fixing indexes, table partitioning, usage of **temp** **tables**, **cte’s** and redesigning schemas.
* Generated periodic reports based on the statistical analysis of the data from various time frame and division using SQL Server Reporting Services (SSRS).
* Developed various operational **Drill-through** and **Drill-down** reports using SSRS.
* Developed different kind of reports such a **Sub Reports, Charts, Matrix reports, Linked reports**.
* Updated requirements as per business user's feedback and changes in functionality of the applications.
* Reviewed the business requirements document with the business and development team to understand the architecture and functionality of the application.
* Optimized the performance of queries with modifications in T-SQL queries, removed unnecessary columns, and eliminated redundant and inconsistent data.
* Developed advanced SQL queries with multi-table joins, group functions, subqueries, set operations and T-SQL stored procedures, user defined functions (UDFs) for data analysis.
* Extensively used T-SQL in constructing User defined Functions, Views, Indexes, User Profiles, Relational Database Models, Data Dictionaries, and Data Integrity.
* Used cascaded parameters to generate a report from two different Data Sets.
* Involved with Query Optimization to increase the performance of the Report.
* Design dash boards, visualization and reports by using MS Power BI.
* Experience in creating **dashboards** using **Power BI**.
* Involved in data validation and data quality maintenance using SQL. Experience in functional, smoke, regression and integration testing.
* Managed big data simulations and analyzed data using SQL
* Experience developing, **Testing**, deploying **Power** **BI** **reports**.
* Created **SSIS Packages** to integrate data coming from Text files and Excel files.
* Migrated old data from MS **SQL Server 2008** to **MS SQL Server 2012** using **SSIS**Packages in **Business Intelligence Development Studio.**
* Wrote many **stored procedures** for cleaning, manipulating and processing data between the databases.
* Implemented new features that came up in **SQL 2012/2014** like Column Store Indexes, Pagination, OFFSET and SEQUENCE, setting up permissions and roles for users at both database and server level.
* Worked intensively in query **execution** **plans**, **sql** **profilers** and did **query** **optimization.**
* Integrated data from multiple sources and stored them in **Operational Data Stores** (ODS) to pass it further down to Warehouse for reporting purposes.
* Worked on both **Normalization** and **De-normalization** approach and implemented them appropriately for Warehouses and Marts.
* Developed and Optimized Stored Procedures, Views, and User-Defined Functions for the Application.
* Created various weekly and monthly reports showing detailed information in **SSRS.**

**Environment**: SQL Server 2012/2014/2016, Power BI, ASP.Net, MS SQL Server 2008/2012, TSQL, Visual Studio, SharePoint 2010, Team Foundation Server (TFS), Tableau, SSIS, SSRS, Erwin.

**Urban Science Detroit, MI                                                                           08/14 - 03/16**

**SSIS/ SSRS Developer**

**Responsibilities:**

* Created **databases** and **schema** objects including **tables, indexes** and applied**constraints,**connected various applications to the database and written**functions, stored procedures and triggers.**
* Analyzed and **designed**software and **database** solutions.
* 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.**
* Advanced extensible reporting skills using SQL Server Reporting Services (SSRS).
* Developed a High-level dashboard using SSRS.
* Designed and created Report templates, bar graphs and pie charts based on the financial data.
* Developed various types of complex reports like Drill Down, Drill through, Cross tab reports.
* Involved in scheduling, creating **snapshots and subscriptions** for the reports using SSRS.
* Involved in designing **Parameterized Reports** and Report Models for generating **Ad-Hoc reports** as per the client requirements.
* Involved in creating report models and applying row level security filters for report model**.**
* Built SSIS packages (.dtsx) involving ETL process, extracting data from various flat files, Excel files, legacy systems and loading into SQL server.
* Created **Jobs, Alerts, SQL Server Mail Agent**, and **schedule**using DTS/SSIS **Packages**.
* Hands on experience working with SSIS, for ETL process ensuring proper implementation of **Event Handlers, Loggings, Checkpoints, Transactions** and **package configurations.**
* Generated **Reports**using **Global Variables, Expression**s and **Functions** for the reports.
* Configured **Reporting Services** in SQL Server 2008.
* Participated Databases Architecture and data modeling design.
* Worked as a developer in creating complex **Stored Procedures**, **SSIS packages**, **triggers, cursors**, **tables,**and **views** and other SQL joins and statements for applications.
* Interacting with the users and troubleshooting the problems involved with the development of **stored Procedures,**triggers and problems related to the privileges.
* Used **VS Team Foundation Server (TFS)** for version control and actively involved in developing Project Plans.

**Environment**: SQL Server 2008/2012, Reporting Services (SSRS), PL/SQL, SQL Plus, Integration Services (SSIS), Analysis Services (SSAS), Team Foundation Server (TFS, T-SQL, MDX, Windows, XML, MS Excel.

**HealthCare Partners Dallas TX 12/12 - 07/14**

**SQL BI Developer**

**Responsibilities:**

* Helped conduct meetings with the end users and performed interviews to gather the requirements from them and to convert those requirements into Requirements document for the development and testing teams.
* Analyzed the business requirements to get a thorough understanding of the testing requirementsand developed test plans and created test cases in Rational Test Manager for extensive coverage of the requirements during testing.
* Worked with the developers to understand the ERD (Entity Relationship Diagram) and thus createcomprehensive test plans, following the RUP model, for the applications and also gather test data for the data driven test cases.
* Created**Tables, Stored procedures a**nd **defined functions.**Created SQL scripts for tuning and scheduling*.*
* **Fine-tuning Stored Procedures** to improve performance that was achieved by **removing unnecessary cursors** and used **SQL Profiler** to improve performance.
* Developed **physical data models, data warehouse models** and created **DDL scripts** to create database schema and database objects.
* Developed various operational, **drill-through** and **drill-down** reports using **SSRS**.
* Designed **Star schema** (identification of facts, measures and dimensions) and **Snowflake**
* Used **SSIS** to create **ETL packages** to validate, extract, transform and load data to **data warehouse** databases and data mart databases.
* Generated periodic reports based on the statistical analysis of the data from various time frame and division using **SQL Server Reporting Services (SSRS).**
* Expert in Creating and Deploying **SSRS Reports** on the portal for user accessibility.
* Experienced in writing Parameterized Queries for generating **Tabular reports**, formatting report layout, **Sub reports** using Global Variables, Expressions, Functions, Sorting the data, defining data source and subtotals for the reports using SSRS.
* Used **DBCC** Statements to perform maintenance tasks on the database. Executed DBCC commands like **CHECKDB** before backing up the databases.
* Performing **Replication**(snapshot and transactional).
* Troubleshoot system issues, monitored **scheduled jobs** and set up maintenance plans for proactively monitoring the performance of SQL Server databases.
* Configured **replication servers** and **transactional replication** between production & standby server for disaster recovery.
* Created calculated measures and dimension members.

**Environment**:  MS SQL Server 2005/2008/2012, TSQL, ASP.Net, Visual Studio 2008, SSRS, SSIS, Erwin.

**Feisystems Baltimore, MD                                                                                           01/11 to 11/12**

**SQL BI Developer**

**Responsibilities:**

* Created new database objects like stored procedures, Functions, Triggers, Indexes and Views using T-SQL in Development and Production environment for SQL Server 2008.
* Migrated **DTS packages** from SQL Server 2000 to SQL Server 2008 as **SSIS Packages.**
* Optimized the performance of queries with modifications in T-SQL queries, removed unnecessary columns, and eliminated redundant and inconsistent data.
* Experience in creating **multiple reports** (SSRS) in Drill mode using tables, financial tables, crosses tabs and charts.
* Designed, deployed, and maintained various SSRS Reports in SQL Server.
* Designed and implemented **Parameterized and cascading parameterized reports** using SSRS.
* Involved in the preparation of detail Unit Cost, Price and Volume Trends, Expense Variances and Profitability Reports using SSRS.
* Used ProClarity for accessing and analyzing cubes and dimensions, and also worked on integration of **SharePoint with SSRS.**
* Developed user defined financial reports to provide on demand financial data analysis using **SSRS.**
* Developed numerous reports using **SSRS** for day to day financial reporting.
* Developed complex Stored Procedures and views to generate various Drill-through reports, parameterized reports and linked reports using **SSRS**.
* Data management and data processing solutions using SSIS, this includes Error Handling and **Slowly Changing Dimensions**.

**Environment**:   SQL Server 2008, SSIS, SSRS, SharePoint, Data Transformation Services (DTS), XML, ASP.Net, Visual Basic.

**Enkay Telecom Limited                                                               05/09 to 12/10**

**MS SQL Server Developer**

* Used SQL Server Constraints (Primary Keys, Foreign Keys, Defaults, Check, Unique etc.)
* Wrote Complex Transact SQL (T-SQL) Queries, Sub queries, Co-related sub queries, Dynamic SQL queries etc.
* Programmed in SQL Server - Stored Procedures, Triggers, User-defined Functions and Views, Cursors.
* Deployed SSIS packages and Reports to Production Servers.
* Involved in creation of Datawarehouse Cubes in SQL Server Analysis Service (SSAS).
* Migrated data using ETL Tool in SSIS.
* Maintained system monitoring jobs and provide high availability support.
* Worked on Migration of packages from DTS using SQL Server Integration Service (SSIS).
* Reported all events and requirements through established reporting mechanisms in SSRS.
* Reviewed and developed data models and database designs with development teams.
* Wrote store procedures for some job automations.
* Generated test data and tested database to meet the functionalities deliverables in the project documentation and specifications.
* Designed and developed OLAP using MS SQL Server Analysis Services (SSAS).
* Designed and developed MS SQL Server Reporting Services(SSRS) under SQL Server 2005.

**Environment:** MS SQL Server 2005, SSRS, SSIS, SSAS, OLAP, Erwin 7.0, DTS/SSIS, BIDS.