Usha Musunuru

Sr. SQL Server & BI Developer - SSIS, SSAS, SSRS

(732) 734 – 0440

GREEN CARD Work Status

**Summary of Qualifications:**

* Result-driven IT Professional with **8+ years** of excellent experience as SQL Server Developer in Production, Development, Testing environments with various domains like Healthcare, Financial and Telecommunications.
* Highly skilled in SQL Server 2000/2005/2008, SQL, T-SQL, Stored Procedures, Triggers, UDF, BCP, DTS, SSIS packages, and Oracle 9i/10 g, PL/SQL, SQL Plus, Oracle Developer 2000 Forms and Reports.
* Experience in web application development using JAVA, J2EE technologies.
* Skilled in data warehousing tools, data mapping, unit testing, migration, conversions, and process documentation
* 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.
* Experience in SQL Server Integration Services (SSIS) and SQL Server Reporting Services (SSRS) with good knowledge on SQL Server Analysis Services (SSAS).
* Expert in TSQL-DDL/DML/TCL/DCL, perform most of the SQL Server Management Studio functionality using T-SQL Script
* Excellent in High Level Design of ETL DTS Packages & SSIS Packages for integrating data
* Experience in RedGate and 3rd party monitoring and Backup tools
* Experience in unit testing activity in TSQL/SSIS in a DW project.
* Proficient in developing Data Flow Diagrams, Process Models, ER diagrams, Dimensional Data Models, Ad-hoc reports using Business Objects.
* Extensive experience in creating database objects such as Tables, Constraints, Indexes, Views, Indexed Views, Stored Procedures, UDFs and Triggers on Microsoft SQL Server
* Experience in writing complex SQL queries, Stored Procedure and MDX and DAX queries.
* Skilled in designing & building the Dimensions and cubes with star schema using SQL Server Analysis Services **(SSAS)**
* Experience with 2008 new concepts like Date Time data type, Transparent Data Encryption, Grouping sets, MERGE operator, Change Data Capture, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS) and SQL Server Analysis Services (SSAS).
* Highly proficient in the use of T-SQL for developing complex creating Database, Tables, Indexes, Views, Triggers, Stored Procedure, User Defined Function, relational database models and data integrity, SQL joins and query writing.
* Excellent experience of SQL Server DTS and SSIS (Integration Service) package design, constructing and deployment.
* Experience in using SSIS tools like Import and Export Wizard, Package Installation, and SSIS Package Designer.
* Expert in using Bulk Copy Program (BCP), Data Transformation Services (DTS) packages and SSIS (integration services) with MS SQL Server 2008/2005/2000.
* Expert in transforming complex business logic into Database design and maintaining it by using SQL tools like Stored Procedures, User Defined Functions, Views, TSQL Scripting, DTS and Jobs.

**Certifications & Education:**

* MCP – Microsoft Certified Professional
* Microsoft Certified Technology Specialist – SQL Server 2005
* Microsoft Certified Technology Specialist – SQL Server 2008
* **Bachelor’s Degree in Computer Science**

JNT University, Telangana, India

**Technical competencies:**

Operating Systems Windows 2003 / NT / XP/ME/9.X

Languages C, C++, C#, T-SQL, VB.NET, Java

Web Technologies HTML, JSP, WML, XML

Databases MS SQL SERVER 2008/ 2005 / 2000 / 7.0, MySQL, MS Access 2003, Azure SQL DB

Packages MS Office 2005, MS Visio, ERWIN, MATLAB

Testing Win Runner, Load Runner

ETL tools DTS, SSIS, SSAS, SSRS, Web Focus

Database Tools SQL Enterprise Manager, SQL Profiler, SQL Query Analyzer, Index Analyzer, SQL Agents, Data Stage, SQL Alerts, PowerBI, Data warehouse lifecycle , SQL Mail, SQL Client Configuration utility, Backup Server, data stage technology concepts, Tableau

Replication server, OLAP Services, Replication Tool

**Professional Experience:**

***Client: COMCAST, PA*** *Sep 2016 - Present*

***Role: SQL Server Developer/SSIS Developer***

The project was aimed at developing a web based application that provided the customers on different recording options. DVR application works as a part of Xfinity which is an online on demand media streaming service enables clients to schedule and record present and future recordings.

**Roles & Responsibilities:**

* Involved in analysis and profiling of source data, creating prototypes and sample reports to help with requirements and design (SSRS).
* Migrated Facets table’s data from old schema to new schema on local server.
* Migrated staging data from TMG server to HMS API using JSON and java queues (using java code in eclipse).
* Created SSIS Packages to load data from sources like Flat files, excel, OLEDB, XML, and Oracle to SQL Server.
* Designed a robust future state Ingestion Framework solution leveraging Azure Data Factory, Azure SQL database & Data warehouse
* Automated Daily Admissions reporting with Web Focus and Report Caster
* Developed business processes by configuring shared resources, creating process definitions, creating activities and configuring message transports using TIBCO Business Works.
* Used SSIS to create ETL packages to validate, extract, transform and load data to data warehouse databases and data mart databases.
* Worked on failure mechanism to keep logs in case of data migration fails.
* Developed complex T-SQL queries and designed SSIS packages to load the data into warehouse.
* Created/Updated Stored Procedures, Triggers, Functions, Views, and Indexes with extensive use of T-SQL in SQL Server 2008 R2.
* Created SSIS Packages to load data from sources like Flat files, excel, OLEDB, XML, and Oracle to SQL Server.
* Involved in Migration of Databases from SQL Server 2008 to SQL Server 2012 using SSIS.
* Used SSRS to create well-formed reports and web-based reports for health related applications and transactions.
* Generated matrix reports, drill down, drill through, sub reports, chart reports, multi parameterized reports.
* Worked extensively on migrating ad-hoc reports from SSRS2005 to SSRS 2008 using TFS server.
* Used SSIS to create ETL packages to validate, extract, transform and load data to data warehouse databases and data mart databases.
* Involved in validating the Data mart tables as per the business logic applied to the staging tables.
* Designed Data flows, Workflows and jobs to load data from source to target.
* Enhancing and deploying the SSIS packages from development server to production server.
* Involved in creating jobs, Alerts and schedule SSIS packages using SQL Server Agent.
* Essentially responsible for monitoring scheduled jobs and to ensure all packages are running without any disruption.
* Involved in the analysis and profiling of source data, creating prototypes and sample reports to help with requirements and design (SSRS).
* Worked with Technical Architects and Database analysts for the Design of Summary tables required for efficient Report Design.
* Configuring and deploying SSRS reports onto Microsoft Office SharePoint Server.
* Worked extensively on migrating ad-hoc reports from SSRS2005 to SSRS 2008 using TFS server.
* Developed basic drill through reports using SSRS.
* Review of the Code to verify the accuracy, standards and optimizing the queries and minimizing the page upload times.
* Provide Weekly status report to Client
* Provide Reports on Test execution of the team.
* Create scripts for test cases.
* Review and provide feedback on project deliverables.

**Environment:** SQL Server Management Studio 2016/2014/2012 (SSMS),SQL Server 2000/2005/2008 Visual Studio-Enterprise Edition 2015, T-SQL,PostgreSQL,.Net,VB.Net, SQL profiler, XML, JIRA, Java, Windows Command Prompt ,Windows 7, PowerBI, Web Focus, Azure Data Factory

***Client: SITA, NY*** *Sep 2015 – Jul 2016*

***Role: SQL Server Developer/SSIS Developer***

Nearly every passenger flights rely on SITA technology. We worked with our air transport owners and members to provide technology solutions that make a difference at a community level. We develop & manage solutions over the world's most extensive network – one that forms the ’communication backbone’ of the global air transport industry.

**Roles & Responsibilities:**

* Created & Implemented Database Components Databases, Tables, views, Constraints, Stored procedures, Views and Functions.
* Generated T-SQL scripts for Data retrieval, Manipulation & Validation for various applications.
* Involved in Performance Optimization of Queries & Stored Procedures by analyzing Query Plans, blocking queries, Identifying missing indexes etc.
* Gathered user requirements for application to meet end Client specifications.
* Analyze the Business Requirements, Functional Specification, Use Cases and Configuration Spec Documents.
* Extensively worked on feeds as required to deliver data from upstream systems to the Quick (Risk calculation) and Raptor (market Risk reporting) databases.
* Design Test Plan, Test Strategies, Test Scripting and Traceability Matrix.
* Wrote & debugging the SQL scripts.
* Prepared Automation Scripts using QA Automation Tool.
* Mentored junior members on need basis on technologies & best practices.
* Created Subscription of Reports in different formats like pdf, excel etc. to be executed automatically on daily, weekly or monthly basis using MOSS (Microsoft Office SharePoint Server) tool.
* Created reports from complex SQL queries and MDX queries.
* Created and implemented the staging database prior to the final data warehouse.
* Developed processes to populate the Data Mart for specific projects.
* Maintaining test script relationship and assigning Requirement id for ease of traceability.
* Make recommendations related to maximizing investment in existing test automation tools, identify report, escalate, monitor, and mitigate project and product risk.
* Performed a functional testing of Quickcomm /Vodafone products and perform a test script audit of all documented test scripts to make an assessment related to test coverage.
* Represented the defect to the Defect Management Team, Business and Project & Development Management Team.
* Wrote Complex SQL queries for Data manipulation, insertion, deletion and updates.
* Review of the Code to verify the accuracy, standards and optimizing the queries and minimizing the page upload times.
* Provide Weekly status report to Client & Provide Reports on Test execution of the team.
* Support issue resolution for emergency fixes.
* Consult with key business users and subject matter experts to gather information about Reporting needs, objectives, functions, features, input and output requirements.
* Reviewing HLD documents created by the Business Analysts and Test Plan, Test Strategies& Traceability matrix for Reporting Solutions.
* Developed automated Testing tools using XML, SQL server automated testing tools using XML,SQL Server
* Performed Quality Assurance/Unit Testing before the developed rules and Database Objects moved to Production system.
* Provide assistance to business users to solve operating problems by recreating steps taken by them to locate the source of problem.
* Develop and execute test cases and test plans for Functional, Performance, Stress, and Regression testing needs.
* Create scripts for test cases. Test front-end user interfaces and make usability recommendations
* Review and provide feedback on project deliverables.
* Performed knowledge transfer to end users.
* Ensuring delivery of bug frees code to User system and Support the field issues.

**Environment:** MS SQL Server 2008/2005, DataStage server, T-SQL, SSIS, SSAS, Oracle 10g, MS Excel, Windows Server 2003, JavaScript, .Net, Power BI, XML, ETL, Crystal Report, Web Focus, SQL task, AWS, QA Automation, Tableau

***Client: Anthem Blue Cross Blue Shield, NJ*** *Aug 2012 – June 2015*

***Role: SQL / SSIS Developer***

The Shield link Acceleration Project was to move some of the BlueShield products from RTMS – Legacy System to Shield link – Facets System. BlueShield sales process for some of the products that is group order creation process migrated from legacy system to facets. The Shield link department was redesigning their application as well as the database design and wanted to migrate their data from SQL Server 2005 to SQL Server 2008 using SSIS. For reporting purposes, SSRS was used.

**Roles & Responsibilities:**

* Involved in reviewing the Investments application and interacting with business users to understand the user requirements.
* Reviewed old table structures and used Erwin to design new tables which adhered to the new database design standards.
* Created and maintained database mapping document which mapped the old tables to the new ones.
* Developed stored procedures, user-defined functions, triggers, indexes and views.
* Involved in query optimization for faster processing of queries.
* Created allocation and other reports using SQL Server Reporting Services (SSRS).
* Designed and tested (Unit, Integration and Regression) packages to extract, transform and load data using SQL Server Integration Services (SSIS).
* Loaded flat files into SQL Server tables and vice versa using SSIS.
* Designed packages which utilized tasks and transformations such as Execute SQL Task, Data Flow Task, Sequence Container, For Each Loop Container, Lookup, Aggregate, and Expression.
* Created XML configuration files to dynamically alter package properties.
* Developed error handling routines for packages using both script tasks as well as in the error handling tab.
* Developed Unit Test Plans for SSIS packages.
* Responsible for allocating responsibilities and coordinating ETL efforts among team members to ensure best practices are used.
* Involved in regular code inspections to ensure business and system requirements are met.
* Scheduled package execution using SQL Server Management Studio to execute packages on a daily/weekly basis.
* Documented ETL processes and prepared project status report updates/audit reports/ list of issue items that need to be reviewed.
* Involved in project scope, schedule planning and project impact assessments.

**Environment:** MS SQL Server 2005/2008, MS SQL Server Reporting Services 2005/2008, MS SQL Server Analysis Services 2005/2008, T-SQL, Power BI, MS SQL Server Integration Services 2005/2008, Visual SourceSafe, Win 2003 Advanced Server, PowerBuilder 5, Erwin v7.2, ASP.Net, C#, Tableau, SCRUM, Rally, MS Project, SharePoint, MS Visio, HP QC, .NET

***Client: Vodafone, India June 2010 – Feb 2012***

***Role: SQL Server Developer***

**Responsibilities:-**

* Gathered requirements from business users and analysis based on the requirements.
* Analyzed and Reviewed the Business Specification Documents.
* Extensively involved in the requirement analysis, development, writing test cases, unit testing.
* SQL Server 2008 RDBMS database development including T-SQL programming.
* ETL implementation using SQL Server Integration Services (SSIS).
* Developing reports on SSRS on SQL Server (2008).
* Worked on Extracting, Transforming and Loading (ETL) process to load data from Excel, Flat file to MS SQL Server using SSIS.
* Created SSIS packages to load the data from Text File to staging server and then from staging server to Data warehouse.
* Provides guidance and advice on SAP Data Migration methodology.
* Designed and developed ETL solutions using SAP Data Services as well as Cransoft.
* Participated in a fully scalable WPF based client/server brokerage application using c#, WCF, Entity Framework and SQL server.
* Performed export and import of DataStage components, table definitions and routines.
* Worked on development of data stage design concepts, execution, testing and deployment on the client server.
* ETL implementation using SQL Server Integration Services (SSIS), Applying some business logic and data cleaning in staging server to maintain child and parent relationship.
* Created/managed configuration files in order to deploy SSIS packages in different environments.
* Support current production jobs by troubleshooting long running queries and optimize them to improve performance using different optimization techniques, DTA/ITW and Execution Plan.
* Wrote function code for different tasks in the database table.
* Extensive experience in Extracting, Transforming and Loading (ETL tools) using SSIS, DTS Import/Export Data, Bulk Insert, BCP, DTS Packages and SSIS packages.
* Created SSAS packages, OLAP cube, and multi-dimensional modeling on Terabytes Database, and worked in Designing and Building Dimensions and Facts with star schema and snowflake schema using SQL Server Analysis Services (SSAS).
* Worked on Control flow tasks such as Execute SQL task, Send Mail Task, File System Task, Dataflow Task and used different data sources and destination with derived column, lookup transformation within Dataflow Task.
* Support current production jobs by troubleshooting long running queries and optimize them to improve performance using different optimization techniques, DTA/ITW and Execution Plan.
* Debugged and enhanced existing stored procedures for better performance gains.
* Experience in creating SSIS packages using different type’s task, with Error Handling, Log particular event by creating logging and worked on package configuration to run package on different server.
* Automate and Product ionized manual jobs by creating SSIS packages and scheduling it through IBM TIVOLI job scheduler.
* Created Database and Database Objects like Tables, Stored Procedures, Views, Triggers, Rules, Defaults, user defined data types and functions.
* Re-architecture new database designs.
* Developed database tables satisfying the 3rd Normal form, and complying with referential integrities.

**Environment:** MS SQL Server 2008/2005/2000, MY SQL, SAP, Database Tuning Advisory , IBM TIVOLI, PVCS, INFORMATICA Power Center 8.6.1, DataStage 8.1, Oracle 10g, .NET, c#, Visio 2003, MS Share Point, MS Excel, Windows Server 2003, UNIX, DB2, Power BI

**References:** Provided upon request…