**Venkata Nallapati**

**Senior SQL BI Developer**

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**Professional Summary:**

* 7+ years of experience as MS SQL Developer in administration and development of Database Design and Development in SQL Server2016/2014 2012/ 2008R2/ 2008/ 2005 system in **OLTP** and **OLAP** environment.
* 6+ years of Experience in Data Warehousing to Extract, Transform and Load (ETL) using Talend and SSIS.
* Experienced in using debug mode of talend to debug a job to fix errors.
* Excellent experience in SSIS, SSAS and SSRS of MS SQL Server
* Highly expert in translating Business System Design document into technical design document.
* Experience in installation, upgrade and configuration of Microsoft SQL Server and databases.
* In-depth knowledge of T-SQL, Databases, Tables, Stored Procedures, **DDL/DML** **Triggers**, **Views**, **User defined data types**, **Cursors** and **Indexes** using T-SQL.
* Proficient in writing complex T-SQL queries using **Inner, Left, Right**, **Outer** and **Cross Joins**.
* Hands on Experience in Installing, Configuring, Managing, Monitoring and troubleshooting **SQL Server** **2016/2014/2012/2008R2/ 2008/2005**.
* Good knowledge on Talend DQ & Data profiling.
* Extensive knowledge of various Performance Tuning Techniques on Sources, Targets, Talend Mappings, Jobs, and Data Base Tuning.
* Experience in scheduling SSIS packages using SQL Server Agent.
* Strong knowledge of using variables and expressions in packages.
* Experience in enhancing and deploying the SSIS Packages from development server to production server.
* Excellent skills in implementing ETL Packages using **DTS** and **SSIS** **2014/2012/2008R2/2008/ 2005**.
* Proficient in implementing all transformations available on the SSIS toolbox.
* Expert in resolving the performance issue of SSIS packages.
* Experience in Data Extraction, Transforming and Loading (ETL) between Homogenous and Heterogeneous System using SQL tools (**SSIS, DTS, Bulk** **Insert, and XML**).
* Expertise in application development using Java/J2EE components which include Servlets, JSP, JSTL, EJB, JMS, JNDI, JDBC
* Strong Programming Skills in designing and implementation of multi-tier applications using Java J2EE, Spring, Hibernate, JSP, HTML, JavaScript, and CSS technologies.
* Well versed in Importing/Exporting Data from various data sources like **Excel**, **Oracle**, **DB2** and Flat file using **BCP, Bulk Insert & DTS utility**.
* Extensive Knowledge in SSAS storage, partitions and Aggregations, calculation of queries with MDX, **Data Mining** Models, developing reports using **MDX** and **SQL**.
* Good Knowledge in Analyzing, designing, building &, testing of OLAP cubes with SSAS 2008 and in adding calculations using **MDX**.
* Expert in Designing and deploying cubes in SSAS environment using **Snowflake** and **Star Schema** Designs for the operational data
* Proficient in Creating business critical **KPI**s using SQL Server Analysis Services SSAS representing aggregations in several different ways - hierarchically and using custom groupings that the company will use to analyze performance.
* Strong experiences to Design, deploy, and maintain various SSRS Reports in SQL Server **2014/2012/2008R2**.
* Extensive experience in creating enterprise reports using **SSRS 2005/2008** using **Report Manager, Report Builder,** and **BIDS.**
* Created many **Drill Through, Drill Down**, **Parameterized** reports using SSRS 2005/2008/2012.
* Administered interface to organize reports and data sources, schedule report execution and delivery, and track reporting history using SSRS 2012/2014.
* Extensive experience in report writing using SQL Server Reporting Services like Tabular report, Matrix report, Chart report, Pie Charts and column report.
* Excellent technical and analytical skills with clear understanding of design goals of **ER modeling** for OLTP and dimension modeling for OLAP.
* Create Metadata Repository database to store metadata.
* Performed XML transformations a language for transforming **XML**.
* Worked on **QNXT** Claims Software System, to convert data from their legacy system (**LRSP**) and add custom applications to satisfy in-house requirements.
* The process included importing claims into **QNXT** that had been adjudicated and setting them in a “PAY” status so that a payment cycle could be run to create checks on **QNXT**

**TECHNICAL SUMMARY:**

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| --- | --- |
| **Database Tools** | SQL Server Management Studio (SSMS), SQL Server Business Intelligence Development Studio (BIDS), |
| **Languages** | T-SQL, PL/SQL, XML, C, Visual Basic 6.0, VB.Net, C#, .NET, ASP.NET, HTML, Java |
| **Operating Systems** | Windows 98/2000/2003/XP/VISTA, Windows Server 2000/2003/2008/2008 R2/2012 |
| **Databases** | MS-SQL Server 2005 / 2008 / 2008 R2 / 2012, MS Access, MySQL, DB2 |
| **Reporting/ Analysis tools** | Microsoft Excel 2007,SSRS, SSAS |
| **Application Software** | Visual Studio, Visual Source Safe, MS Office, Team Foundation Server, Sub-Version |
| **ETL Tools** | DTS, SSIS, Bulk Copy Program (BCP), Business Intelligence Development Studio (BIDS), Crystal Reports |

**Professional Experience:**

**State of Maine/DHHS, Augusta, Maine Aug 2016 - Till date**

**Role: SQL / ETL Developer/SSIS/SSRS**

The Office of Information Technology in State of Maine is responsible for the delivery of safe, secure, and high-performing networks and systems to State Agencies for daily performance of their missions for the citizens of Maine.

**Responsibilities:**

* Extracted data from various sources like SQL Server 2014/2016, Oracle, .CSV, Excel and Text file from Client servers and through **FTP**.
* Handled Performance Tuning and Optimization on SSIS, with strong analytical and troubleshooting skills for quick issue resolution in large-scale production environments located globally.
* Involved in creation/review of functional requirement specifications and supporting documents for business systems, experience in database design process and data modeling process.
* Created Data-driven Packages in SSIS 2014 as part of the automating the process for the Referral Process.
* The packages created included a variety of transformations, for example Slowly Changing Dimensions, Look up, Aggregate, Derived Column, Conditional Split, Fuzzy Lookup, Multicast and Data Conversion.
* Reviewed & Tested packages, fixing bugs (if any).
* Studied existing OLAP system(s) and created facts, dimensions and star schema representation for the data mart and warehouse systems.
* Involved in planning and designing SSAS 2014 Cubes and building attribute relationships for optimal MDX query performance of Hierarchies and Fact Dimensions.
* Involved in Staging Partitions and Usage Based Optimization mechanisms for SSAS and OLAP databases.
* Scheduled the monthly/weekly/daily reports to run automatically onto the Dashboard
* Responsible for Monitoring and Tuning Report performance
* Developed Drill-down/thru, sub-reports, linked and Dashboard reports using SSRS
* Experience in creating multiple reports **(SSRS)** in Drill mode using tables, financial tables, crosses tabs and charts
* Used calculations, sorts, filters and sections to enhance data presentation in reports. Created many Cascaded parameters in the reports using SQL SSRS.
* Developed many Tabular Reports, Matrix Reports, drill down Reports and Charts using SQL Server Reporting Services (SSRS). Also, created many multi valued parameters in the reports.
* Used Reporting Services to consume data from SharePoint sites and display reports and dashboards on SharePoint sites.
* Identified and worked with Parameters for parameterized reports in SSRS 2008 R2.
* Generated Reports using Global Variables, Expressions and Functions for the reports
* Extensively used core Java collections, concurrency API to develop custom data cache.
* Extensively Worked on developing Talend jobs for various file formats such as delimited, Positional, Excel etc. Developing Talend jobs to automatically pick data from FTP Location and copies to staging Location.
* Broad design, development and testing experience with Talend Integration Suite and knowledge in Performance Tuning of mappings.

**Environment: SQL Server 2014/2016, Query Analyzer, SSIS 2014, T-SQL, Excel, Microsoft SQL Reporting Services 2014 (SSRS), Windows 2000/XP, QNXT, Web Forms, SAS tools**

**IMC Health Care, Los Angeles, CA June 2015- July 2016**

**Role: MS SQL BI Developer**

International Medical Corps is a global, humanitarian, nonprofit organization dedicated to saving lives and relieving suffering through health care training and relief and development programs.

**Responsibilities:**

* Maintained databases, performed software installations and monitored Database Performance.
* Involved in reverse and forward loading of the schema of a database using **Erwin**.
* Responsible for gathering Business Requirements and System Specification from users.
* Studied detail changes that need to be made to each business process that is performed by all the systems impacted.
* Designed and Developed Database Objects like Tables, Stored Procedures, Triggers, Rules, Defaults, user defined data types and functions for this project.
* Developed, tested and implemented Referential Integrity rules and regulations through constraints, triggers and views, partitioned views.
* Implemented automated backup and database maintenance / cleanup jobs.
* Generated Views for specific columns on a table to maintain privacy of a customer data.
* Created Indexes to get the high-level performance.
* Maintained databases, performed software installations and upgrades, monitored Database Performance.
* Created and scheduled jobs for various tasks and also was responsible for maintaining jobs through SQL Server Agent.
* Designed SSIS packages for loading data from **ODS** to **Data mart**.
* Created SSIS packages for synchronizing the data between two different servers.
* Performing the ETL operations to support the incremental, historical data loads and transformations using SSIS.
* Experience in the design, development and maintenance of different cubes using SSAS.
* Involved in the post deployment maintenance of canned reports and cubes.
* Experience in designing the reports in **ProClarity** for SSAS cubes.
* Managed Logins, Users, Roles and User permissions.
* Regular responsibilities for updating staging and dimensional databases as well as rebuilding the dimensions and cubes on Analysis Services(SSAS)
* Designed numerous ad-hoc and custom reports using SQL Reporting Services.
* Created various **Tabular and Matrix Reports** using SSRS.
* Generated Ad-hoc reports and cascading reports for historical data using SSRS.
* Worked closely with end-users to analyze, understand and gather report requirements.
* Created various reports with cascading parameters, multi-valued parameters.
* Created complex reports like grouping, drill-down, drill-thru ,charts.
* Wrote complex expressions using operators like arithmetic, Comparison, Concatenation and Logical/ Bitwise and used Common functions like Aggregate, financial, Date time etc. in Development of reports.
* Involved in the implementation of **Performance Point Server (PPS**).
* Designed and implemented most of the Java related portions of the application implementing data retrieval from the database and Edit and Delete operations.
* Used JQuery and Java script for the validation and enhancement for the web pages.
* Involved in Processing **QNXT** Healthcare Claims
* Worked on the summary of clinical data like Demographic, Adverse Events, Serious Adverse Events, and Related Adverse Events leading to Discontinuation.
* Developed various forms of outputs like **RTF**, **HTML**, **PDF** files using **SAS** **ODS** facility.
* Provided reports with minimum risk and optimum result.
* Participated in project meetings, presentations and updating research findings.
* Creating, Approving and Modifying PA in both **Portal** and **QNXT**.
* Involved in Adding Contracts to the Provider in QNXT and associating Providers in Portal while creating claims.
* Used ETL methodologies and best practices to create Talend ETL jobs
* Developed Talend jobs to populate the claims data to data warehouse - star schema.

**Environment:** **SQL Server 2012 and SQL server 2008/2008 R2, SSIS, SSAS, SSRS, Import/Export tools, SQL Server Agent, Windows Server 2008 R2/2012**

**Mattress Firm, Houston, TX                                   April 2014 - May 2015**

**MS SQL BI Developer**

Mattress firm is one of the largest bedding retailers in United States. The project involves building ETL’s which brings data from **Microsoft dynamics AX** and some third party data providers and loading the data into BI database servers Using various transformations and aggregations. And, developed various linked reports, sub reports, matrix, chart reports Using various transformations and aggregations.

**Responsibilities:**

* Modified the existing stored procedures to get the new functionality depending on the client requirement.
* Created many tables with the **clusters and non-clustered** indexes on columns.
* Created various database objects such as tables, indexes and views based on requirement.
* Created daily, weekly, monthly reports for various categories and hierarchies based on business needs using SSRS
* Create reports such as **parameterized, cascading, Drill through/Drill down** **reports**, charts and specialized in producing sub reports using relational data warehouse and OLAP cubes.
* Created many SSRS reports with lots of metrics on it using row grouping and column grouping
* Created table valued functions and used in the report stored procedures on the fly Studied existing OLAP system(s) and created facts, dimensions and star schema representation for the data mart and warehouse systems.
* Involved in planning and designing SSAS 2012 Cubes and building attribute relationships for optimal MDX query performance of Hierarchies and Fact Dimensions.
* Involved in Staging Partitions and Usage Based Optimization mechanisms for **SSAS and OLAP** databases.
* Developed Drill-down/thru, sub-reports, linked and Dashboard reports using **SSRS**
* Involved in Designing and deploying cubes in SSAS environment using Snowflake and Star Schema Designs for the operational data
* Created Sub-Reports, Drilldown-Reports, Summary Reports, and Parameterized Reports in SSRS.
* Administrated the created Reports by assigning permission to the valid user for executing the reports.
* Rendered reports, managed subscriptions, created reports with report builder, report snapshot and report Cache.
* Administered interface to organize reports and data sources, schedule report execution and delivery, and track reporting history using **SSRS 2008R2**.
* Created and Maintained Database Maintenance Plans.
* Strong team player and self-motivated
* Conducted cost benefit analysis of various ETL tools and technologies.
* Created **UNIX** shell scripts, **JCL** mainframe procedures, and processes to extract data from various sources such as **DB2 and Oracle**.
* Implemented complex transformations by creating custom transformations in addition to using built-in ones.
* Oversaw unit and system tests and assisted users with acceptance testing.
* Conducted peer design and code reviews and extensive documentation of standards, best practices, and ETL procedures.
* Played role in design of scalable, reusable, and low maintenance ETL templates.

**Environment: SQL server 2012, SQL server Management studio, SQL server integration services (SSIS), SQL server reporting services (SSRS), SQL server Analysis services (SSAS), SQL server profiler, Microsoft visual studio 2010, Team Foundation server (TFS)**

**Constar Financial, Phoenix, AZ**  **April 2013 - March 2014**

**Role: SQL Developer/ DBA**

Constar is a full-service accounts receivable management company delivering collection services to Fortune 100 and 500 companies globally. Specializing in servicing the consumer finance, consumer auto finance, telecommunication, entertainment media and direct lending industries

**Responsibilities:**

* Administration, Maintenance of multiple SQL Server instances into **Prod-Stage**-**DEV** environment.
* Design, Setup, Implementation, upgrade and migration of SQL Server 2005 /2008 to SQL Server 2012 databases.
* Setup of jobs and alerts for Backup Restore (**VLDB**), integrity checks, database shrinking, transaction log growth monitoring and routine database maintenance processes
* Performance and Tuning of SQL Server using Index tuning, profiler, **PerfMon**, **DTA, DMVs and DMFs**
* Query optimization using Show Execution Plan, SQL profiler and Query analyzer.
* Development of Indexes, stored procedures, views, functions and triggers using T-SQL.
* Setup, monitoring and maintenance of SQL Server data Replication
* Design/Development and Maintenance of multi-dimensional cube using SSAS.
* Installation, configuration and maintenance of security of SSRS 2005.
* Documentation of coding standards, Technical specifications, policies and procedures
* Provide troubleshooting, Training and support to users
* Developed and modified SharePoint user privileges as directed as incompliance with all standard operating procedures
* Installed all backup procedures and records for **SharePoint** installations.
* Configure of Microsoft office SharePoint.
* Used VB.Net Code to create embedded functions in SSRS.

**Environment: SQL Server 2012 (32-64 bit), SQL Server 2008, Windows Server 2008, VMWARE, .NET, Quest Diagnostic tools, SSIS, SSRS, SharePoint**

**Hawk generation Technologies, India. Jan 2011 - March 2013**

**Role: Customer-centric database SQL Developer**

Hawk Generation team of web design, web development, and online marketing specialists with over 150 years of combined experience to offer you the best in web solutions and online marketing services.

**Responsibilities:**

* Involved in Planning, Defining and Designing database depending on business requirements and provided the documentation**.**
* Created complex Stored Procedures, User Defined functions, Triggers, Indexes, Tables, Views, SQL joins and defined roles and privileges to implement business rules and control access to database.
* Designed high level ETL architecture for overall data transfer from the source server to the Enterprise Services Warehouse with different transformations in order to get the accurate data using SSIS 2008/2005 and deployed the SSIS packages to different environments by maintaining the configuration settings in the XML files and variables.
* Extensively involved in the design of SSAS storage, partitions and aggregations and developed different calculated members, **KPI**s, actions by using the **MDX** while designing the cube using **SSAS 2008/2005**.
* Wrote different **MDX** queries using different functions to gather the data from the cube and developed the reports using the **SSRS 2008/2005**.
* Modified the cube structure by adding the new facts, dimensions with user defined hierarchies, calculated members, attribute relations to optimize the cube and develop the user defined reports from the cube.
* Developed many scripts while designing the SSIS package using **C#, VB.NET** in order to perform various transformations while getting the data from different sources and also resolved the issues with **ActiveX** scripts and query driven tasks while migrating the **DTS** packages to SSIS.
* Provided statistical information through different reports to explain business conditions and scheduled the reports to run on daily/weekly/monthly basis and email the results to the business users in the required format.
* Created parameterized reports and ad hoc reports using Report builder and developed dashboards with different **KPI**s, scorecards for the users/management and deployed them using Excel, MS Share Point (**MOSS**).
* Used **ASP.Net** controls like **Dropdown** list, Button, **Textbox** controls while developing the user interface and developed complex web forms and business components.
* Implemented java Persistence API (JPA) through Hibernate.
* Extensively worked with the **SQL Profiler**, **Database Tuning Wizard** and query execution plans to identify the slow running queries and to test different application for performance.
* Used calculations, sorts, filters and sections to enhance data presentation in reports. Created many Cascaded parameters in the reports using **SQL SSRS.**
* Developed many Tabular Reports, Matrix Reports, drill down Reports and Charts using **SQL Server Reporting Services** (SSRS). Also, created many multi valued parameters in the reports.

**Environment: MS SQL Server 2005/2008, SSRS 2005/2008, SSIS 2005/2008, SSAS 2005/2008, SSMS, ASP.NET, VB.NET, C#.NET, MDX, T-SQL, PL/SQL, Oracle 10g, MS Share Point, Access and Excel**.

**Birla Global Finance LTD, India June 2009 – Dec 2010**

**Role: SQL Server Developer**

Aditya Birla Finance Limited (ABFL), a subsidiary of the Aditya Birla Financial Services, is one of India’s most reputed non-banking financial companies (NBFC). Incorporated in 1991, the company was a leading global independent business services organization.

**Responsibilities:**

* Actively participated in gathering of User Requirement and System Specification.
* Filtered bad data using complex T-SQL statements, and implemented various constraint and triggers for data consistency
* Created views to facilitate easy user interface implementation, and triggers on them to facilitate Consistency Data entry into the database.
* Created reports from database onto excel spread sheet using **DTS**.
* Wrote complex stored procedures to process employee requirement and generating records between front End and back end.
* Created Database Maintenance Plans for the Performance of SQL Server, which covers Database Integrity
* Experience in Data Modeling using **Erwin** Design Tool
* Created Users and Roles, and managed security and permission of database.
* Managed and resolved design issues during development
* Worked to establish connectivity between **VB** applications and MS SQL server by using **ODBC**

**Environment: T-SQL, MS SQL Server 2000, SSMS, DTS, Erwin, Windows NT server, VB, Visual Basic.net**

**Education Qualifications:**

* Bachelor’s in Electronics and Communication Engineering in 2009