**Venkata Nallapati**

**Senior SQL BI/ Informatica 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 Server 2016/2014/2012/ 2008R2/ 2008/ 2005/ 2000 system in **OLTP** and **OLAP** environment.
* 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/ 2008/2005/2000**.
* 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**).
* Hands on experience on **Informatica** Data Quality tool
* Strong Experience in **informatica power center (9.X/8.x/7.x/6.x**) tools such as Designer, Work flow manager, work flow monitor, Repository manager and Repository server Administration console.
* Very good understanding of **Teradata MPP Architecture** such as Shared Nothing, Nodes, AMPs, BYNET, Partitioning, Primary Indexes etc.
* Hands On experience on Teradata RDBMS using **fast load, Multiload, Tpump, TPT, Fast export.**
* Expert in Coding **Teradata SQL, Teradata Stored Procedures, Macros and Triggers**
* 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 2016/20142012.
* 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.
* 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**
* Significant experience with data intensive **visualization/analytics** tools Tableau Desktop and **Tableau Server, SSRS, PowerPivot, Power BI Reports**.
* Explored data in a Variety of ways and across multiple visualizations using **Power BI.**
* Created SQL datasets for **Power BI** and **Ad-hoc** Reports.
* **Created visualization reports and dashboards** using Power BI desktop.
* Experience in writing reports based on the statistical analysis of the data from various time frame and division using **PowerPivot, Power Query, Power View, Power BI**

**TECHNICAL SUMMARY:**

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| --- | --- |
| **Database Tools** | SQL Server Management Studio (SSMS), SQL Server Business Intelligence Development Studio (BIDS),Teradata |
| **Languages** | T-SQL, PL/SQL, XML, C, Visual Basic 6.0, VB.Net, C#, .NET, ASP.NET, HTML. |
| **Operating Systems** | Windows 98/2000/2003/XP/VISTA, Windows Server 2000/2003/2008/2008 R2/2012 |
| **Databases** | MS-SQL Server 2005 / 2008 / 2008 R2 / 2012/2014/2016, MS Access, MySQL, DB2 |
| **Reporting/ Analysis ools** | 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, Informatica |

**Professional Experience:**

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

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

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.
* Worked on **Informatica Power Center tools** - Designer, Repository Manager, Workflow Manager, and Workflow Monitor.
* Used various transformations like Filter, Expression, Sequence Generator, Update Strategy, Joiner, Stored Procedure, and Union to develop robust mappings in the **Informatica Designer**.
* Transferred large volumes of data using Teradata **Fastload, Multiload, and T-Pump**.
* 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.
* Worked On Informatica power center tools
* 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 **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 2014/2016.**
* Generated Reports using **Global Variables, Expressions** and **Functions** for the reports
* Created **Power BI Visualizations** and **Dashboards** as per the requirements.
* Used **Power BI** for developing reports, **data marts, KPI's** and **charts.**
* Involved in developing applications in **C#** to meet the business requirements using Visual Studio.NET

**Environment: SQL Server 2014/2016, Query Analyzer, SSIS 2014,** **Teradata 14.10, Informatica Powercenter 9.6, T-SQL, Excel, Microsoft SQL Reporting Services 2014 (SSRS), Windows 2000/XP, QNXT, Web Forms, SAS tools, Power BI.**

**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.**
* Responsible for developing, support and maintenance for the ETL (Extract, Transform and Load) processes using **Informatica Power Center**.
* Developed the **Informatica mappings** using various transformations, Sessions and Workflows. Teradata was the target database, Source database is a combination of Flat files, Oracle tables, Teradata, Excel files etc.
* Developing **BTEQ** scripts to load the data from the staging tables to the base tables.
* Working with SQL assistant and utilities like **BTEQ, MLOAD, FLOAD, TPump** etc.
* 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**).
* Integrated data from many sources into SQL Server and into Tableau for specified visual analytics and reports.
* Created various parameters to achieve desired functionalities in complex filters, quick filters calculated measures and visualizations using **Tableau Desktop**.
* 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

**Environment:** **SQL Server 2012 and SQL server 2008/2008 R2, SSIS, Teradata 14, Informatica Power Center 9.1, 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.
* Build interactive **Tableau dashboards** and publish Tableau reports utilizing parameters, calculated fields and table calculations, user filters, action filters and sets to handle views more efficiently.
* Developed & Implemented Reports using **Tableau Server.**
* Used **Power BI Pivot** to develop **data analysis prototype**, and used **Power view** and **power map.**
* Created reports using **Power BI.**
* Designed and implemented Business Layer using **C#** to implement business logic

**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, Power BI, 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.**
* 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.
* 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