# **Vijay. R** Email:visql7@gmail.com

# SR.SQL BI/Tableau Developer Mobile: 857 302 0228

Data ware house Developer/SQL DBA

Highly accomplished and experienced Data Warehouse and Database Developer with comprehensive understanding of all aspects of business intelligence and data modeling. Flexible team player who also works well independently. Adept at handling a high-pressure fast-paced work environment and provide 24\*7 committed on call support.

As **SQL server Bi Developer** my overall part is to involve in development of **network architecture** aimed at improving **business performance**. While concentrating on understanding business requirements, building analytics environments, implementing information solutions, proposing new data models, completing business intelligence projects, and improving process flow in the organization by proposing IT solutions.

EXPERTISE SUMMARY:

**Over 9+years of**Database (OLTP), Data ware house (OLAP) Design, Programming, Development and Implementation of Client-Server Applicationsin**Banking, Finance,Entertainment**and **Health care Analytics(life sciences-mind neuro science)** Domains with expertise in (**MS SQL Server 2016/14/12/8R2/08/05**) suite of products like **SSIS, SSAS, SSRS and Power BI.**

* Experienced in Installing, Upgrading and Configuring of Microsoft SQL Server and Databases.
* Strong working experience in SQL  Server and T-SQL**(DDL, DML, DCL)** in constructing **triggers, tables, Joins,**

**Cursors, user functions, views, indexes**, user profiles, relational database models, data dictionaries and integrity.

* Solid understanding of Business Intelligence, RDBMS concepts Analytics, Data Virtualization, **Visualization**, Big Data, **ETL** using Data Transformation Services**DTS,**Data Warehousing trends.**OLTP &amp; OLAP.**
* Application knowledge in software development life cycle (SDLC), **Agile, Scrum, UML, Waterfall** and Project Management Methodologies. Worked under service level Agreements **(SLAs).**

**Data Ware house:**

* Experienced with all phases of **Data Warehouse development life cycle** from gathering requirements, testing, functional specifications, technical Specs, design documents, implementation and support.
* Good Understanding of **Kimball and Bill Inmon** warehouse modeling and usage of **modeling tools** such as Embarcadero, Erwin and DB Artisan**, Snowflake schemas, Star schema,** fact and dimension tables.
* Strong experience in **logical, physicaldatabase design** and development, **Normalization and data modeling**.

**SQL Server Integration services (SSIS)**

* Well-versed in usage of **SSIS Control Flow items**(For Loop, Execute SQL task, Script Task, Send Mail Task) and **SSIS Data Flow items** (Conditional Split, Data Conversion, Fuzzy lookup, Fuzzy Grouping, Pivot).
* Worked on **MDM** with SQL server concepts using master data services (MDS), Data Quality services (DQS) and SSIS.
* Extensive experience in **migrating data** from various sources such as **Excel, Oracle**, **MS Access**, **OLE DB**, and **flat** files to different destinations using SSIS and scripting for Homogenous and Heterogeneous sources Migration.
* Experience in implementing various SSIS features like **Event Handling, Precedence Constraints**, Break Points and Check Points, Transaction and package configurations, logging, alerts and schedule for Complex SSIS Packages.

**Analysis Services (SSAS)**

* Expertise in upgrading or migrating Analysis Services. Expertise in Configuring and managing **data sources, data source views, cubes, dimensions, mining.**Structures, roles and creating hierarchies with SSAS, **Cell Level Security,Perspectives**, Partitions and Design Aggregations in cubes using SSAS, **OLAP cubes** using **SSAS** for data mining.
* Proficient in working with **Multidimensional Expressions (MDX), UDM and Data Mining objects**.

**Reporting services (SSRS, Tableau)**

* Developing and deploying various kinds of **reports using SSRS** using relational and multidimensional data.
* Experience in creating Data Driven, Drill Through, Drill Down, Tabular, Matrix reports & created charts, graphs using SSRS.Expertise in creating Report Models for building **Ad hoc reports using SSRS**.
* Worked on complete **Reporting Life Cycle** on Authoring, Management & Delivery.
* Experience in **Troubleshooting Report Processing, Subscription**, Delivery and Configuration Problems in SSRS.
* Created **Tableau scorecards, dashboards** using stack bars, bar graphs, scattered plots, geographical maps, Gantt charts using show me functionality.
* Worked extensively with Advance analysis Actions, Calculations, Parameters, Background images, Maps,Trend Lines, Statistics, and Log Axes. Groups, hierarchies, Sets to create detail level summary report and Dashboard using KPI's.
* Involved in **Query Optimization and Performance Tuning** using **SQL Profiler and Index Tuning Wizard.**
* Utilize existing enterprise BI tool set (e.g., SSRS, SSAS, **SharePoint and Crystal reports**) and **web services** that provide standard analytic computations that can be leveraged in multiple BI solutions.
* Expertise in Client-Server application development using Oracle 11g/10g/9i/8i, **PL/SQL, SQL \*PLUS, TOAD**and **SQL\*LOADER**.Experience in Oracle supplied packages, Dynamic SQL, Records and PL/SQL Tables.
* Knowledgeable in cryptography, such as **PKI, SSL, SQL Server TDE, and key management**.
* **Strong hands on experience in**SQL**, HIVE, HQL, Mapping,** SQL **Transformation**
* Prior experience in developing multi-tenant application with **SqlAzure.** Experience with Python development.
* Excellent interpersonal communication, problem solving, documentation and business analytical skills to implement best practices.
* On call availability for emergency coverage in rotation with other DBA

**Soft Skills:**

* **RDBMS:** MS SQL Server 2000/2005/2008 R2, 2012, 2014, MS Access, Hadoop 2.5.2 ,Vertica, Oracle 9i/10g, Sybase.
* **Programming Languages**: T-SQL, PL/SQL, C#, Java (J2EE), VB scripts, python Oracle and UNIX Shell Script.
* **Tools &amp; Packages**: SQL Server Management studio, Enterprise Manager, Profiler, Business Intelligence Development studio (BIDS), DTS, ETL, Visual Source Safe(VSS)6.0, Business Objects XIR2/XIR1, Visual Studio .NET
* **Operating Systems**: Windows Vista/XP/2003/2000, Windows Server 2000/2003/2008.
* **BI Tools**: (SSRS), (SSIS), (SSAS), ProClarity OLAP tools, Performance Point Server 2007, MS Visio, Erwin, Crystal Reports 9.0/XI, MIS ReportsTableau 8.2/8.1/8.0/ 7.0.
* **Web Technologies**: XML, XPath, HTML, XSL, JavaScript, IIS.
* **Data Modeling**: Visio 5.0 and Erwin 4.1.
* **Application Packages**: MS Office Suite, MS Outlook, Microsoft Office SharePoint Server (MOSS).

PROJECT # 1

Client:**CITI GROUP (CITI BANK),**Dallas (TX)

Role:SQL Data Base /BI, Tableau Developer

Duration: 2015 September-Till date

Employer: Neutron IT

**PROJECT OVERVIEW:**

Project is aiming for enhancing Structured Credit and Counterparty consolidated Risk Aggregation platform. My role is to involve in Business intelligence activities and also to enhance both cube that used by 2 major businesses in Credit, Structured Credit and Counterparty credit valuation adjustment (CVA) to include major initiatives, like adding bucketed CVA Risk, adding additional products (cash collateralized debt obligations (cdo) and credit default swap (cds) on cdo), build new downstream feed.

Roles and Responsibilities:

* Performed all development activities required for delivery of BI solutions including ETL, data modeling, cube development, solution deployment and maintenance.
* Supported in consolidation of Risk and P&L Microsoft cube for all products traded in Structured Credit products.
* Collaborate within global development teams across Mississauga (Canada), and Asia to delivery cube for both Structured Credit Business and Counterparty Desk.
* Responsible for maintenance of daily server processes, development of in/outbound data feeds, and providing support to clients and internal staff through a ticket system.
* Created web-based mock-up of the file clean up/reformatting windows application in Visual Studio 2008 utilizing HTML5, CSS, Bootstrap, and ASP.Net.
* Involved in creation of Windows desktop application combining VB.Net, DTS, Automate, and SQL Server to clean and reformat submitted client files in multiple formats and standardize the output. This allowed use of a single SSIS package to load data from multiple clients, a single UI which non-IT personnel could use to clean files and increased claim processing by 50%. This was converted to C# in subsequent version which I update and maintain.
* Supported Ops Capital System including: MDX calculations, Cube changes, ETL changes and more.
* Worked extensively on Master Data Services for developing MDM solutions, and built it on top of SQL database technology for back-end processing and providing service-oriented architecture endpoints using Windows Communication Foundation (WCF).
* Used MDS web service which is subset of MDM and MDS tool, which is be used to extend MDS capabilities or develop custom solutions.
* Extensively involved in SSAS storage and partitions, and Aggregations, calculation of queries with MDX, Data Mining Models, developing reports using MDX and SQL.
* Performed all kinds of Transformations like Import Column, Export Column, Lookups, Derived Column, Merge Join, Lookup, For Loop, Conditional Split, Union all, Script component in SSIS as per the requirement.
* Created and maintained dashboards in SSRS for Support Team to view at a glance critical systems status using process monitoring system and developer different type of reports including: Drill through reports, Sub reports, Drill down reports based on business requirement using SSRS.
* Utilizing SQL and SSRS, created process monitoring system providing alerts and charts to track, analyse and optimize critical SQL Server job agents across multiple production servers.
* Worked on advanced Tableau features including calculated fields, parameters, table calculations, row-level security, R integration, joins, data blending, and dashboard actions.
* Generated Tableau Dashboard with quick/context/global filters, parameters and calculated fields on Tableau (7.x) reports and developed Tableau workbooks to perform year over year, quarter over quarter, YTD, QTD and MTD type of analysis.Responsible for Developing Dashboard and preparing ad-Hoc Reporting.
* Developed Tableau visuals for Controls and Compliance team mapping banking regulations to internal policies, standards, and processes to be used in presentations.
* Production of high-quality software, emphasizing simplicity, maintainability and reuse, using standard development process. Liaised with SAP Technical support for Product Defects and Bugs.

**Environment:** Windows OS 2012, MS SQL Server 2008 R2/2012, Visual Studio 2008/2012, SSRS, SSIS, SSAS, MS Office, ASP.Net, HTML,C#, python, SharePoint, Tableau 7.0.x

PROJECT # 2

Client:**The Walt Disney Company,** Lake Buena vista, FL

Role:SQL Data ware House Developer/ SQL DBA

Duration: 2013 August -2015 September

Employer: Neutron IT

**Project Overview:**

Design and develop data warehouse and reporting solutions for Sales reporting and the analysis of Web Click Stream data.

**Project scope** was a complete end-to-end solution using SQL2008 as the database platform and Crystal Enterprise/Reports for the reporting solution for the Disney Direct Marketing group. The warehouse receives over 4 million rows of raw data per day via a SQLXML / Updategram interface. ETL is then performed at 3 hour intervals using DTS and Stored Procedures to take raw data and process it through a set of ETL staging tables, tasks and processes to the final fact or dimension tables.

Roles and Responsibilities:

* Led efforts to analyze data for source/target mappings, created T-SQL scripts for data processing and automations
* Used ER/Studios for logical and physical dimensional data modelling to support data architecture designed to accommodate a minimum of 1 terabyte of data per year.
* Designed and developed Star Schema dimension and fact tables to support data warehouse requirements for the Sales and Marketing Click Stream DW
* Developed distributed partitioned views so that data and volumes could be managed more efficiently for future growth.
* Developed the Crystal Enterprise reporting system for report distribution and management of scheduled and ad hoc reporting for approximately 65 Crystal Reports v9 / 10 and the associated stored procedure data sources. Integrated all Crystal Reports in Crystal Enterprise for ad hoc and scheduled processing.
* Provided technical support to resolve issues related to SQL Server issues related to SQL Server connectivity, linked servers, data movement, and SQL BI related to SSIS, BDD (SSIS Balanced Data Distributor Transform), and **Hadoop Connector** for SQL Server issues for SQL On-Premise and in Windows Azure Virtual Machine environments (IaaS).
* **Involved in project migration from Vertica to Talend/Hive environment running on Hadoop. This is a very HIVE heavy environment.**
* As a part of optimization: Used MAP operations to route UPDATE and INSERT records in warehouse workflows.
* The warehouse design incorporates full referential integrity via check and foreign key constraints.
* Maintained warehouse metadata, naming standards and warehouse standards for future application development Parsing high-level design spec to simple ETL coding and mapping standards.
* Created and deployed SSIS packages using various transformations such as Slowly Changing Dimension, Slowly Growing Target, and Simple Pass through Multicast, Merge Join, Lookup, Fuzzy Lookup, Conditional Split, Aggregate, Derived Column, and Data Conversion Transformations.
* Created and ran daily import routines, which included development and deployment of DTS Packages, views, stored procedures and reports.
* Led database administration and database performance tuning efforts to provide scalability and accessibility in a timely fashion, provide 24/7 availability of data, and solve end-user reporting and accessibility problems.
* Experience in identifying the I/O and memory, bottle necks, blocking and deadlocks caused by complex queries using SQL Server Activity monitor, SQL profiler, Extended events and Handling them by implementing better Query Execution plans. Monitoring, security, backup, performance enhancements of SQL Servers and databases.
* Automated and executed operational processes and procedures to ensure uptime and performance in a high-availability web-based environment.
* Implemented seamless code migration between Dev/UAT/Prod environment using INI files.

Environment: MS SQL 2012 SQL SSIS, SSAS, SSRS, DTS, TCAD V2R5 SUN SPARK 3000(HARDWARES), Microsoft Office Suite, Visual Studio.NET,Hadoop 2.5.2, crystal reports 2008/XI/10.0/9.0/8.5.

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Project # 3:

Client:**Accenture** Clinical and Health Management Services, Jacksonville, FL

End Client**: National certification commission for Acupuncture and oriental medicine (NCCAOM)**

Role:SQL BI developer [(ssis), (ssrs), (ssas)]

Duration: 2011 Feb -2013 May

Employer: Neutron IT

**Project Overview:**

**Accenture** provides Clinical and Health Management Services to clients all over the world. Our mission in Transaction Risk Management Services (TRMS) is to make NCCAOM to have safest online transactions. TRMS designs and builds the software systems, risk models and operational processes that minimize risk and maximize trust in NCCAOM. Our group are responsible for analyzing terabytes of data to identify specific instances of risk or broader risk trends and will implement algorithms to flag high risk transactions. Beside, we are also responsible for building a robust set of operational and business metrics and will utilize metrics to determine improvement opportunities.

Roles and Responsibilities:

* Created SSIS/ETL packages for moving data from OLTP (Lab and Pharmacy) database to operational database (ODS) for reporting.
* Solved T-SQL query performance issues by checking the execution plan and then rewriting the query or adding missing indexes.
* Created SSIS packages with which data from different resources were loaded daily in order to create and maintain a centralized data warehouse. Made the package dynamic so it fit the environment.
* Designed and implemented a snowflake -schema Data Warehouse in SQL Server based on the existing data warehouse & SCS auto operational database.
* Created database tables with various data types, constrains (primary key, foreign key, unique, check, default, etc.) and indexes (clustered index and non-clustered index) in database
* Created data mapping between source and target using different tools like data profiler, ERWIN and Excel sheet.
* Developed schemas for business applications with providing full-life cycle architectural guidance and ensured quality technical deliverables.
* Modelled and forecasted database and platform resource utilization to meet user needs and respond to anticipate technological innovations.
* Managed and developed existing and new ETL processes for SQL Server reports. Refreshed staging tables with ETL. Scaled SSIS to make it work more reliable.
* Scheduled and monitored all maintenance activities of SQL Server 2000/2005 to meet business requirements activities including database consistency check, data backup & restore strategy, index defragmentation.
* Ran month end processes. Troubleshot issues in jobs, reports, SSIS packages and so on. Trained the business users to create Ad hoc reports of their own.
* Wrote enterprise reports and stored procedures upon requests. Designed report models to meet business requirements and allowed users to perform fast queries.
* Developed requirements definitions for Supply Chain Management for daily snapshot of bookings and shipments.
* Designed and developed SSRS reports and deployed to report server.

Environment: MS SQL Server 2005/2008/2012, T-SQL, SSIS 2008/2012, SSRS 2005/2008 R2/2012,visual studio.

Project # 4

**Innovativeminds.com,** Bangalore, India

Role: JR.SQL Server SSIS/SSRS/SSAS Developer 2009 ‘August ‘to 2010’October’

**Responsibilities:**

* Written Stored Procedures and SQL scripts both In SQL server and PL SQL’ server.
* Designed T-SQL scripts to identify long running queries and blocking sessions.
* Created database objects like tables, views, indexes, stored-procedures, triggers, and user defined functions.
* Normalization and De-Normalization of tables.
* Developed Backup and Restore scripts for SQL server 2005.
* Installed and Configured SQL server 2005 with latest service packs.
* Written T- SQL queries for the retrieval of the data.
* Developed administrative tasks of SQL Server of performing daily Backups and Recovery procedures.
* Error handling using Try-Catch Block.
* Worked with the developing team in the Writing functions in Visual Basic 6.0 for Upload download functionality, Data transfer and migration.
* Prepared daily and weekly status reports and collaborated with other team members.

Environment: SQL Server 2008R2, SQL Server 2008/2005 Oracle 9i, Visual Basic, SSIS, SSRS2005/2008, Excel.

PROJECT # 5

**Root Shell Technologies,**Bangalore, India

Database Programmer:

2008 June to 2009 July

**Responsibilities**

* Created stored procedures, views, and triggers and constrains to implement the database consistency and integrity.
* Implemented indexes such as clustered index, non-clustered index, covering index appropriately on data structures to achieve faster data retrieval.
* Created SSIS package to extract, transform and load (ETL) data from different sources into destination target, like data warehouse, flat file, Excel, OLE DB, using SQL Server Integration Services.
* Designed and developed different type of reports including: Drill through reports, Sub reports, Drill down reports based on business requirement using SSRS.
* Defined measure groups and further tuned dimensions attributes for a cube, created and deployed cubes to an instance of analysis services on the development server.

Environment: SQLServer2008R2/2008/2005 Enterprise Edition, SQL Server Business Intelligence Development Studio (SSIS, SSRS), TSQL.

EDUCATIONAL/PROFESSIONAL QUALIFICATION:

B.S in Engineering, K.L.C.E, India