**Vinay Kumar**

**Sr. SQL BI Developer**

**Ph.: (419)318-9687**

**Email: vinaykumarcseb@gmail.com**

**Summary:**

* Over**8+**years of experience in SQL Server database development and administration, extensively worked in **OLTP, OLAP, Client-Server & Enterprise Data Warehouse Environments**.
* Strong experience in Microsoft Business Intelligence Tools including Integration Services, Reporting Services and Analysis Services.
* Skilled at developing complex **Stored Procedures, Functions, Triggers, Views, Cursors, Joins and indexes**with**T-SQL**.
* Well versed in Normalization/De-Normalization techniques for optimum performance in relational anddimensional database environments.
* Expert in Data Extraction, Transforming and Loading (ETL) using various tools such as SQL Server Integration Services (SSIS), **Log Shipping, DTS, Bulk Insert and BCP**.
* Developed, monitored and deployed SSIS packages.
* Worked with **Java scripting** to connect or for security of the database.
* Experience in **performance tuning and query optimization** using tools like **SQL Server Profiler, Database Tuning Advisor** and **Index Tuning Wizard.**
* Experience in developing Custom Reports and different types of **Tabular Reports, Matrix Reports, Ad hoc**reports and distributed reports in multiple formats using SQL Server Reporting Services (SSRS) in Businessintelligence development studio (BIDS).
* Experience in SQL Server 2012 Self Service BI tools like **Powerview, BISM Tabular models and SQL ServerData tools.**
* Strong experience in **Oracle database**, worked with **versions Oracle 9i, 10g, 11g**.
* Solid experience in converting legacy **MS Access** and **Crystal Reports to Reporting Services 2008/2008 R2**.
* Strong experience in creating dashboards using gauges and charts for analysis using SSRS 2008 R2.
* Good Knowledge on **RED-GATE** Tool.
* Worked on Visual Studio Data Tools SSIS 2015 and SQL Server SSIS 2012.
* Experience in integrating SSRS reports into external applications using report viewer controls and customURLs.
* Experience in End to End Master Data Management to manage data from multiple sources.
* Hands-on experience in using self-service BI tools such as power view, report builder and BIDS and
* Experience in **Designing, Building Dimensions, Cubes with Star schema and Snow-flake schema using SQLServer Analysis Services (SSAS).**
* Involved in developing reports from SSAS cubes using client tools like **SSRS 2008, Excel 2007** and**Report Builder.**
* Experience in installing, configuring and monitoring **MS SQL Server 2016/2012/2008/2005/2000 installations**.
* Hands-on experience in Upgrade/Migration of MS SQL Server 2005 to 2008, 2000 to 2005 using any suitable approach.
* Strong experience in **performance tuning** and **query optimization** using tools like **SQL Server Profiler,Database Tuning Advisor** and **Index Tuning Wizard.**
* Good knowledge and exposure to Database **Mirroring, Replication, Log shipping, backup and restoreprocedures, disaster recovery and performance tuning.**
* Strong knowledge in implementing Transactional, Merge and Snapshot replications.
* Good understanding of high availability SQL Server solutions using active-active and **active-passiveClustering modes.**
* Experience in **creating Jobs, Alerts, SQL Mail Agent, and scheduled DTS Packages**.
* Sound knowledge of **software development life cycle (SDLC)** models like Agileand **RUP (Rational UnifiedProcess)** along with substantial experience withobjects oriented analysis and design methodologies.
* Solid experience in version control tools such as **Team Foundation Server (TFS)** and **Sub version (SVN).**
* Experience in **Data Modeling & Database Design** with **Erwin**, Performance Tuning and Optimization of SQL Server 2005 and 2000.
* Experience in dimensional modeling using **Star schema** (identification of facts, measures and dimensions)and**Snowflake schema** for designing a Data Warehouse using tools like **Erwin** and **E-R Studio**.
* Experience in creating **Jobs, Alerts, SQL Mail Agent**, and scheduled DTS Packages.
* Experience in **migration of MS SQL Server 2000 to MS SQL Server 2005 (Side by Side).**
* Expertise in writing **DML and DDL Code**, Dynamic SQL as well as **Query optimization**& performance tuning
* Expert in using Complex Stored Procedures, **User Defined Functions (UDFs)**,**Common Table Expressions (CTEs),SharePoint 2010 development** and **Performance Point Services (PPS).**
* Hands on experience with data modeling **Erwin tools, entity relationship diagrams** and data analysis concepts on data warehouse.

**Technical Skills:**

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| SQL Server Tools | SQL Server Management Studio, SSIS, SSAS, SSRS, SQL Server Agent, SQL Profiler, SharePoint 2010, Red-Gate, SSMS, Business Intelligence Development Studio, DTS, Enterprise Manager, SQL Profiler |
| Dimensional Data Modeling | Dimensional Data Modeling, Star Join Schema Modeling, Snowflake Modeling, Physical and Logical Data Modeling. |
| **Languages** | T-SQL, CSS, HTML, ASP.NET, C#, .NET Framework, C |
| Databases | MS Access, MS SQL Server 2000/2005/2008/2012/2014, Oracle 8i/9i/10g. Tools/Utility, Enterprise Manager, SQL Server Management Studio(SSMS), Database Tuning Advisor, DTS, Analysis Manager, BCP, SQL Profiler. |
| Programming GUI | SQL, PL/SQL |
| Environment | Windows 95/98/2000/XP/Vista, Sun Solaris, Linux (Red Hat) |
| **Reporting Tools** | Excel, SQL Server Reporting Services 2014,2012,2008,2005 |

**Education:**Bachelor’s in Electrical & Electronics Engineering**,** India – 2008.

**Professional Experience:**

**Home site Insurance, Boston May 2016 – Current**

**Sr. Data Warehouse Developer (SSRS/SSAS/SSIS)**

**Responsibilities:**

* Involved in building dimensional cubes with SQL Server Analysis Services **(SSAS)** and querying the data with **MDX** script.
* Generated on-demand and scheduled reports for business analysis or management decision using SQL Server Reporting Services (**SSRS**).
* Generated Reports from the cube by using **MDX Queries** and created **calculated members**.
* Generated various **reporting servicesRDL’S** using reporting services for Account Aggregation reports
* Developed Custom Selection of reports ordering using **SQL Server Reporting Services**.
* Generated **Sub-Reports**, **drill down reports**, **Drill through reports** and **Parameterized reports** using **SSRS**.
* Delivered the **reports** using ‘pulled’ and ‘pushed’ methodologies and formatted them using Global variables and expressions
* Worked on ETL **SSIS Development**, created packages using various transformation techniques and created jobs that are scheduled to run on daily basis and thus load into the Data Warehouse.
* Used **SQL Server profiler** for auditing and analyzing the events which occurred during a time horizon and stored in script.
* Created traces using SQL server profiler to find long running queries and modify those queries as a part of **Performance Tuning** operations.
* **Involved in migrating** the existing **DTS packages** into SSIS packages using **SSIS** services provided by SQL Server 2008 Management studio
* Created **databases** and **schema** objects including **tables**, **indexes** and applied **constraints**, connected various applications to the database and written functions, stored procedures and triggers.
* Monitored **performance** and **fine-tuned** the database objects and server to ensure efficient data retrieval.
* Created some **ETL SSIS Packages** which would load the data from various sources by doing some simple transformations to load the data into our system.
* Generated **Sub-Reports**, **drill down reports**, **Drill through reports** and **Parameterized reports** using **SSRS**.
* Delivered the **reports** using ‘pulled’ and ‘pushed’ methodologies and formatted them using Global variables and expressions
* Created Reports with all Aggregate functions and Expressions using **SSRS** and **VB.NET**.
* Implemented other new T-SQL features added in SQL Server 2005 Like **Error handling** through **TRY-CATCH** statement, **Common Table Expression (CTE)**
* Extensively worked on **DTA, DMV’s, Online indexing, Data Partitioning** and tuning of long running stored procedures and complex queries Designed the data warehouse structure, **datamodelin**g and developed it using the **Erwin tool, MS Visio**.

**Environment**: SQL server 2008R2/2012/2014/2016, MSBI (SSIS, SSAS,SSRS),Erwin, Visio, C,C#, Dot net, SAS, Excel 2013,Power view, Power pivot, Performance Point, T-SQL, Base SAS and SAS/SQL, HTML, XML, VB.NET,SQ1 Server […] DB2, Oracle 10g/11i.

**SEI Investments, Oaks, PA Nov 2014 – May 2016**

**Sr. SQL Developer**

**Responsibilities:**

* Worked closely with the EHS & DPH leadership for gathering,analyzing and maintaining all the data requirements related to business applications.
* Proficient in **BASE SAS** and worked on startup project of SAS Enterprise level.
* Utilizing standard data modeling and **ETL tools** by avoiding hand written SQL or program coding methods, developing and implementing highly efficient, scalable and automated ETL process.
* Worked on various environments of **agile methodologies.**
* Worked on creating new **SSIS packages**by using Microsoft visual studio for import and Extract files.
* Performance **Tuning of the Database,** which includes indexes, and **Optimizing SQL Statements, Monitoring the Server.**
* Responsible in running monthly reports, managing data extracts/imports.Extensively used **Star Schema Methodologies** in building and designing the logical data model into Dimensional Models
* Familiar with **C#, dot.net programming** and **Ad Hoc reporting** databases.
* Knowledge about File transmission protocols(FTP, web services, XML, Flat File)
* Ensuring adherence and compliance to department policies, guidelines and objectives and working with internal management, external consultants and software vendors.
* Used **java script** in connecting to the database and pulling the data out from the tables.
* Experience with oracle and SQL server databases and their **native utilities** (Query Analyzer, Analytical workbench)
* Worked on **Excel reporting** to create some simple excel reports by pulling the data from **SQL**and creating **pivot tables** on it for one-time requests by the users.
* Hands on experience in **SQL server 2008R2/2012/2014/2016** and **MSBI(SSIS/SSAS/SSRS)**
* Handling prioritized workload, monitoring performance and providing expertise in application, infrastructure and internal support related matters.
* Conducted internal and **Final DFD Reviews** with the **ETL Team, Data Quality, Metadata Management Team, Data Architects, Business and Application Data Stewards**
* Handling application security including authentication and role based access control by using metadata including self-generated documentation.
* Worked on **Excel reporting** to create some simple excel reports by pulling the data from **SQL**and creating **pivot tables** on it for one-time requests by the users.
* Providing technical assistance and information to technicaland non-technical users.
* Worked with **Master Data Management** to centrally manage data from multiple sources to get a single and master data.
* Research, analyze and maintain all application and technical documentation.
* Created **databases** and **schema** objects including **tables**, **indexes** and applied **constraints**, connected various applications to the database and written functions, stored procedures and triggers.
* Responsible for gathering, analyzing, documenting and maintaining all data requirements related to the business application, interfaces and reporting environment.
* Worked on data analysis concepts like **data definition, data dictionary** and **business matrix.**

**Environment**: SQL server 2008R2/2012/2014, MSBI (SSIS,SSAS,SSRS),Erwin, Visio, C,C#, Dot net, SAS,Excel 2013,Power view, Power pivot, Performance Point,T-SQL, Base SAS and SAS/SQL, HTML, XML, VB.NET, SQ1 Server […] DB2, Oracle 10g/11i.

**Lowes Inc., Mooresville, NC July 2013 - Oct 2014**

**SQL Developer**

**Responsibilities**:

* Created complex T-SQL Queries, Stored Procedures, Functions, Indexes, CTE's, Views, Joins and Triggers.
* Developed **SSIS Packages and Stored Procedures** to load/transform/cleanse data from SQL Server, Oracleand Excel Files to Facts and Dimension Tables in the Data Warehouse.
* Worked on ETL **SSIS Development**, created packages using various transformation techniques and created jobs that are scheduled to run on daily basis and thus load into the System.
* Participated in the design and development of the Data Warehouse using Star Schema and SnowflakeSchema.
* Developed **SSAS Cubes** by creating **Measure Groups, Dimensions, Aggregations, Hierarchies, Partitionsand Perspectives using SSAS 2008 R2.**
* Setup and monitored jobs for loading and processing SSAS Cubes.
* Troubleshoot issues with ETL load (SSIS and Stored Procedures) and Cube processing.
* Improved Stored Procedures and SQL Queries performance by analyzing execution plans and creatingproper Indexes using **SQL Profiler and Database Tuning Advisor**.
* Created SSRS reports such as tabular, matrix, charts, dashboard and sub-reports using SSRS 2012/2008R2.
* Developed **stored procedures, cascading parameters** and custom code for developing complex SSRSreports.
* Generated **Sub-Reports**, **drill down reports**, **Drill through reports** and **Parameterized reports** using **SSRS**.
* Created SSRS dashboards using **charts, gauges, indicators and data bars**.
* Deployed SSRS reports in native and SharePoint mode.
* Used SSRS reports with parameters from PerformancePoint Services deployed in **SharePoint 2013**.
* Developed MDX queries for SSRS reports from SSAS Cubes.
* Used **Master Data Management** along with SQL Server 2008 to provide a single view and clean data across all the sources.
* Involved in designing the physical databases model on **SQL Server 2008** RDBMS using different Data Definition and Manipulation languages (DML/DDL) implementing **constraints** and **triggers** for data integrity in development database
* Developed **power view reports** using **Tabular Models** in SQL Server Data Tools.
* Created standard and data driven subscriptions for weekly, monthly and daily reports.
* Extensive used Team Foundation Server to implement version control for MSBI (SSIS/SSRS/SSAS) projects.

**Environment**: - SQL Server 2014/2012/2008 R2/2008, SharePoint 2013/2010, SQL Server Data Tools, T-SQL, SSIS, SSRS, SSAS, Tabular, Excel 2013, XL-Cubed, Power view, Power pivot, Performance Point, MDX,Report Builder 3.0, DTS, C#, VB.NET, Erwin 4.0, XML, SVN, Rally, Windows Server 2008, .NET 3.5.

**First Solar, Perrysburg, OH Oct 2011 – Jun 2013**

**SQL Developer**

**Responsibilities**:

* Created SQL Server Reports using SSRS 2012/2008 R2/2008.
* Developed powerview reports using BISM tabular models as data source in **SharePoint 2010**.
* Developed and **deployed BISM tabular models** using SQL Server Data tools.
* Developed stored procedures with multi-valued parameters for generating complex reports.
* Created operational and analytical SSRS reports from **Oracle 11g databases**.
* Involved in setting up **Report-Models for ad-hoc reporting**.
* Created reports from SSAS cubes using **MDX** and used Excel 2007 and SSRS 2008 R2 client tools.
* Developed Query for generating drill down reports in SSRS 2008 R2/2008.
* Designed and implemented stylish report layouts.
* Creating dashboards consisting of charts, maps, indicators and data bars.
* Generated **Reports using Global Variables, Expressions and Functions for the reports**.
* Identified and worked with Parameters for parameterized reports in SSRS 2008.
* Developed custom report templates, report viewer controls and custom URLs to integrate SSRS reports inCold fusion application.
* Worked with **java scripting** to create some connections between various databases on the same server and to join multiple tables to get the required data.
* Rendered reports in multiple formats including **Excel, PDF, MS Word and TIFF**.
* Created standard and data driven subscriptions for weekly, monthly and daily reports.
* Scheduled SSRS 2012 Data alerts on mission critical reports to send alerts based on business rules.
* Upgraded SSRS 2005 reports to SSRS 2008 R2.
* Extensive used **Sub version (SVN) and VisualSVN** to implement version control for reporting servicesprojects.
* Trained new and existing reporting services users with SSRS 2008 R2 features, resolving issues and providestep-by-step documentation on SSRS reports development and deployment.
* Responsible for reporting services installation, security and administration in both native and SharePointmodes.
* Worked on **SharePoint 2010** and **Performance Point Services** with the knowledge of MDX. Created SharePoint pages, master pages, navigation and security, charts, score cards, KPI, SSRS reports and lists. Also,worked on Excel 2010, Power Pivot for providing ad-hoc reporting for the clients
* Deployed the generated reports directly on the client's workstation.
* Improved Report Performance and performed unit testing.
* Hands-on experience using **Master Data Management** to manage data from multiple sources with a single view.
* Performed complex SSIS ETL operations to validate, cleanse, transform and load data to data warehousesfor reporting purposes.
* Involved in SSAS Cubes design by **creating measure groups, dimensions, aggregations, Actions, Partitions**and Perspective from huge dataset using SQL Server 2008 Analysis Services (SSAS).
* Gathered business requirements, definition and design of the data sourcing and data flows, data qualityanalysis including the development of logical data models.
* Designed **Star schema** (identification of facts, measures and dimensions) and **Snowflake schema**.
* Created partition function, schema and file groups for fact tables.
* Wrote stored procedures to transform raw data into suitable format for use in the data warehouse.
* Created complex Stored Procedures, Triggers, Functions, Indexes, Tables, Views, Joins with T-SQL.
* Responsible for performance tuning and optimization of SQL queries and indexes.
* Upgraded SQL Server 2005 to SQL Server 2008 using Side-by-Side approach.
* Involved in web development using **C#, VB.NET, ASP.NET, XML, ADO.NET, HTML, VBscript** and **Ajax**.
* Involved in Performance tuning of SQL queries and stored procedures using SQL Profiler and DatabaseEngine Tuning Advisor.

***Environment*:** - MS SQL Server 2012/2008 R2/2008, Oracle 11g, SharePoint 2010, SQL Server Data Tools,T-SQL, SSIS, SSRS, SSAS, Tabular, Excel 2013, Power view, Power pivot, Performance Point, MDX, ReportBuilder 3.0, DTS, C#, VB.NET Erwin 4.0, XML, SVN, Windows Server 2008,.NET 3.5, DTS.

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| **Supple Workflow, S&P Capital IQ – India Jan 2010–Sep 2011** |  |

**SQL BI Developer**

**Responsibilities:**

* Developed and Optimized database structures, stored procedures, Triggers, Views, Joins, Cursors andFunctions for the application.
* Managed **index statistics, Tables, Views, cursors and optimizing queries** by using execution plan for tuningthe database.
* Responsible for **logical and physical data modeling**, database design, data analysis, programming,documentation and implementation.
* Involved in Performance tuning the Stored Procedures to by removing unnecessary cursors.
* **Developed SSIS Packages** to pull data from Access, Excel sheets and Flat files into SQL Server 2005.
* Performed ETL operations using SSIS to validate, extract, transform and load data to data warehouses.
* Configured Database Mail for sending automatic emails when a SSIS package is failed or succeed.
* Developed, deployed and monitored SSIS Packages.
* Responsible for DTS to SSIS Migrations, designing and maintaining SSIS packages.
* Handled the migration of SQL Server 2000 to SQL Server 2005.
* Designed and populated reporting tables, views and stored procedures.
* Responsible for analyzing/gathering the user requirements to generate the reports using SSRS 2005.
* Developed Parameterized, **Drill-down, Drill-through, Sub-Reports** and **Charts in SSRS**.
* Identified the Data Sources and defining them to build the Data Source Views.
* Developed Query for generating drill down and drill through reports in SSRS 2005.
* Formatted SSRS reports using **Global Variables**, **Expressions** and **Functions for the reports**.
* Configured Report Model for developing ad-hoc reports by the end-users.
* Uploaded reports on to the report manager and organized them into folders.
* Involved in Performance tuning of SQL queries and stored procedures using **SQL Profiler** and Database**Engine Tuning Advisor**.
* Involved in creating SQL server Analysis Projects using MS SQL Server 2005.
* Created SSAS Cubes using snow-flake schema with Facts, Measure Groups and dimensions.
* Created SSRS reports from Analysis Services using MDX queries.
* Developed stored procedures to transform the data from enterprise data warehouse to **APT data mart**to**build dimensions** and **load data to fact tables**.
* Creating and Maintaining Users roles groups and granting the privileges to users and Groups and maintainingsecurity up to date.
* Troubleshoot system issues, monitored scheduled jobs and set up maintenance plans for proactivelymonitoring the performance of SQL Server databases.
* Automate and enhance daily administrative tasks, **including space management**, **object alteration**, backup& recovery and performance monitoring.
* Responsible for disaster recovery planning for SQL Servers. Implemented database mirroring for constantavailability.
* Used Database Maintenance Wizard to make necessary changes and to keep the performance of the serverat acceptable levels.
* Involved in implementation of replications like **Snapshot** and **Transactional.**
* Successfully designed logical and physical database models using ERWIN data modeler, designed initialdatabase migration plans and procedures for migrating data.

**Environment:** MS-SQL Server 2008/2005, Windows Server 2003/XP, T-SQL, SSIS, DTS, SSRS, SSAS, MDX,C#, VB.NET, ASP.NET, MS Access 97/2000, Oracle, XML, Excel, ERwin4.0, Business Intelligence Studio2008/2005.

**Apollo Health, India May 2008 – Dec 2009**

**SQL Server Developer**

**Responsibilities:**

* Involved in writing **Stored Procedures, User DefinedFunctions**, **Views**, **TSQL Scripting** for complex business logic.
* Extensively used **Joins** and **sub-queries** for complex queries involving multiple tables from different databases.
* Extensively involved in the full lifecycle of **ETL** software development - analysis, design, build, documentation and testing for the project using SQL Server Integration services.
* Used various SSIS tasks such as **Conditional Split**, **Derived Column**, which were used for Data Scrubbing, data validation checks during Staging, before loading the data into the Data warehouse.
* Used SSIS to implement the **Slowly Changing Dimensions**, to maintain Historical Data in Data warehouse
* Used **configuration files** in **SSIS** to ease the process of moving the packages across servers (development to production).
* Designed and developed **tabular reports** with **drill down**, drill through and drop down menu option using **SSRS**.
* Worked on parameters to generate cascaded parameterized reports along with that extensively used global variables, expressions and functions.
* Scheduled reports for daily, weekly, monthly reports for executives, Business analyst and customer representatives for various categories and regions based on business needs using SQL Server Reporting services **(SSRS).**
* Tested applications for performance, data integrity, validation issues, **job scheduling and alerts.**
* Experience in working with **SSAS** in creating cubes, data source views, **namedqueries**, dimensions and deploying of analysis services projects
* Generated test data and tested database to meet the functionalities/deliverables in the project documentation and specifications.

**Environment:** MS SQL Server2005, MS SQL Server Integration Services2005(SSIS), MS SQL Server Reporting Services 2005 (SSRS), MS SQL Server Analysis Services 2005 (SSAS), SQL Profiler, MS Office, Windows Server 2003.