**Raghu**

**Sr. SQL/BI/SSIS/SSRS/SSAS Developer**

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**Professional Summary**

* Over **8+** years of extensive experience and hands on working knowledge in **MS SQL Server 2014, 2012, 2008, 2005** with Business Intelligence in MSBI Stack
* Conversant with all phase of **Software Development Life Cycle (SDLC)** involving Systems Design, Development and Implementation. Experience on **SCRUM/AGILE** development methodologies.
* Experience in design of **Logical and Physical data modeling** using **Erwin.**
* Experience in defining data warehouse (star and snow flake schema), fact table, cubes, dimensions and measures using SQL Server Analysis Services.
* Experience in writing **TSQL** Queries (**DDL**, **DML and DCL**) involving various tables to create and maintain database objects like Stored Procedures, Triggers, user defined functions, Views, Cursors, Indexes.
* Extensive knowledge in designing on-demand and scheduled reports for business analysis or management decision reports using pivot, cascading parameters, Parameterized reports, report models for **Ad-hoc reports** using **SSRS**.
* Created SSIS packages to perform **Extract**, **Transform** and **Load** data from various different sources and destinations like **Excel**, **Access**, **CSV, SharePoint**, **Oracle, Teradata, Xml files, X12** files and **flat files** using **tasks** and **transformations** provided by **SSIS**.
* Experience in MS SQL Server installation, configuration, performance tuning, error handling, SQL Profiler, query optimization, client/server connectivity, back-up/recovery, running **Database Consistency Checks (DBCC).**
* Knowledge of investment finance (fixed income, equities, portfolio analysis of risk, asset/position data)
* Optimized **MYSQL** quires and troubleshoot performance issues to ensure efficient server performance.
* Facilitating the use of code management system using Team Foundation Server (**TFS).**
* Excellent interpersonal communication, problem solving, documentation and business analytical skills with an ability to adapt new technology quickly and a strong team player.

**Technical Skills**

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| **Databases** | SQL Server 2014/2012/2008 R2/2005, Oracle 8i/9i and 10g, Access |
| **BI Tools** | SQL Server Integration Services (SSIS), SQL Server  Reporting Services (SSRS), SQL Server Analysis Services (SSAS), Excel, TFS. |
| **ETL Tools** | SQL Server Integration Services, Data Transformation Services (DTS), Informatica, PowerCenter 6.2/7.1.x/8.1.1/8.6.1 |
| **Development Tools** | Visual Studio 2015/2012/2010/2008/2005, SQL Enterprise Manager, Sql server Management Studio, SQL Profiler, Query Analyzer, Security Manager, Service Manager |
| **Programming Languages** | T-SQL, MySQL, PL SQL, C#, C++, HTML, XML, .NET 3.5, 4.0, ASP.NET, WC Web Services |
| **Operating Systems** | Win Server 2008/2003, Windows 8/7, MS-DOS |
| **Certifications** | Microsoft Certified Technology Specialist in SQL Server 2008 |

**Professional Experience**

**Aetna, Phoenix, AZ Feb-15 to Till Date**

**MS SQL BI DEVELOPER**

**Description**:The focus of this project was to develop a robust ETL process to extract data from internal databases, transform it as per the business requirements and load it into Enterprise Data Warehouse majorly utilizing SQL server BI tools SSIS, complex SQL procedures and SSRS for reporting.

**Responsibilities:**

* Create / Update database objects like tables, views, stored procedures, function, and packages.
* Involved in ETL Architecture, Developing Source to target data mapping (STDM) document defining transformation logic.
* Translated business logic to transformation logic to generate pseudo code for the ETL process.
* Performed unit testing and system integration testing and preparing Unit Test Plan (UTP) and System Test Plan (STP) documents.
* Created Drill down, Drill Through and Ad-hoc reports using **SSRS.**
* **Deployed** and **scheduled reports** using **SSRS** to generate all daily, weekly, and monthly and Quarterly Reports including current status.
* Developed **SSIS packages** for data migration from various kinds of source files received.
* Created **SSIS Packages** for Transaction processing using containers
* Transformed data from one server to other servers using tools like **Bulk Copy Program (BCP) and SQL Server Integration Services.**
* Identified all data fields and database columns that needed to be expanded to meet HIPAA requirements.
* Extracted data from multiple systems in many different formats including EDI, HL7, NCPDP and XML.
* Custom components for SSIS packages were written in VB.NET
* Used **TFS** (Team Foundation Server) for Source Control.
* Debugging, maintenance and optimization of ETL packages, SQL jobs using SQL Server best practices.
* Utilized Cisco Enterprise **Tidal** scheduler tools to schedule the jobs in production.
* Provided assistance and mentoring staff for developing conceptual, logical and physical database designs.

**Environment:** Microsoft SQL Server 2014, 2012, 2008 R2/2008/2005, SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), MS Access, Red Gate utility, SQL Server Configuration Utility, SQL Query Manager, MS Visual SourceSafe, .net, TeraData.

**Deutsche Bank, NYC, NY Jan-13 to Dec-14**

**SQL BI Developer**

**Description**: Worked with Deutsche as a SQL Server BI developer to support their application called Log Pro System which is an application for inventory and billing system. The objective of this project was to load text files from FTP sites into SQL Server's tables and design, develop daily and weekly reporting of business transactions nationwide.

**Responsibilities:**

* Created project documents that included requirements, software design and architecture.
* Created views to restrict access to data in a table for security.
* Designed reports on wealth information, account information, research reports using Ad-hoc reporting to be used by the clients and advisors.
* Involved in setting up hierarchies and defined scope of analysis for providing drill down/ drill through options in **SSRS**.
* Developed Report Models using report builder and distributed reports in multiple formats using **SSRS** in **Business intelligence development studio (BIDS**).
* Involved in designing, developing and testing of the **ETL** strategy to populate the financial data from various source systems using **SSIS**.
* Used Event Handlers for Exception Handling in **SSIS** packages.
* Created the packages in **SSIS** with the help of Control Flow Containers, Tasks and Data Flow Transformations.
* Used Script task to write custom code using Vb.net.
* Re-programmed numerous existing VB6 programs into VB.NET
* Designed dynamic SSIS with **VB.net** to transfer data crossing different platforms, validate data and data cleansing during transferring, and archived data files for different DBMS.
* Created new dimensions and measures for existing cubes and also created new Multi-dimensional cubes in **SSAS**based on business needs.
* Created User Defined Functions, triggers to store data into appropriate tables as and when data arrives and created table indexes that have least updating to improve the query performance.
* Created reports for quarterly equity using SSRS.
* Ran daily, weekly and monthly reports for management purpose.
* Worked with TFS database projects, generating the change script and propagated to TEST and then UAT environment.
* Developed Mocks in **WPF** or unit testing the background services, service layer and domain layer.
* Done performance tuning by using **SQL Profiler** and database engine tuning advisor.
* Extensively used Profiler to identify and repair **database lockups**, **deadlocks**, and other issues.
* Planned the complete back-up of databases as per disaster recovery scenarios.

**Environment:** Windows server 2008 R2/2012, MS SQL Server-2008 R2/2012 Enterprise Edition, SQL server Integrations services, SQL server reporting services, DTS, SQL Profiler, WPF, Crystal Reports, OLAP, OLTP, Performance Point Sever, MS Office, VB.net, C#.

**Athene, Des Moines, IA Aug -10 to Dec- 12**

**MSBI Developer**

**Description:** Scope of the project is to improve and enhance the support of SQL Server database technology on behalf of Athene’s various Lines of Business (LOB). The project spans the areas of Insurance Claims, Deficiency Claims, Collateral Insurances, Property Agents and Investors information, Property and outstanding Loans

**Responsibilities:**

* Involved in design and development of technical specifications of the project and developed the prototypes.
* Involved in the complete **data warehouse development life cycle.**
* Focus on developing and maintaining processes with T-SQL, stored procedures, Indexes, user defined functions, views, SQL scripts, Ad-Hoc report requests, CTE etc.
* Designed, developed, and debugged stored procedures in **MS SQL Server 2012.**
* Create standard interfaces in the .net application.
* Involved in setting up hierarchies and defined scope of analysis for providing drill down/ drill through options in **SSRS on SQL Server**.
* Done the designing, developing, debugging and testing of reports in **SQL Server Reporting Services (SSRS).**
* Designed **ETL** Packages for integrating data from various sources by using multiple transformations provided by **SSIS** such as **Data Conversion**, **Merge, Conditional Split** and **Union all** etc.
* Used multiple transformations in **SSIS** including **Fuzzy lookups** and **Fuzzy grouping** in the data cleansing process.
* Worked on Developing, Extracting, Monitoring and Transforming data using **SSIS Import Export Wizard** and **Bulk Insert**.
* Used **MDX** queries for pre calculated measures and created report model on **SSAS cubes** as well as changing default configuration on existing cubes.
* Created report Model using **T-SQL** queries on **SSAS Cubes** as well as changing default configuration on existing Cubes.
* Extensively involved in the **SSAS** storage and partitions, and Aggregations, calculation of queries with MDX and developing reports using **MDX**.
* Manipulated, transferred and managed data in **SAS**.
* Interfaces with **SAS**/Access to access, join, update, insert, and delete data from various tables.
* Created a report interface using visual basic 6.0, which allowed users to select reports and dynamically filter reports.
* Data quality testing related to clinical costs and assessment as per HIPAA standards.
* Experience with writing scripts in C#, ASP.NET, integrate information from multiple sources to execute effectively and efficiently in a dynamic environment.
* Converted Visual basic application to python.
* Wrote and executed various SQL database queries from python using python-SQL connector and SQL DB package.
* Design develop and deliver services analytics materials including back-end development of analytics services, SQL reporting, delivery of automated reports & Power Bi reports customization.
* Performed maintenance duties like performance tuning and optimization of queries, functions and stored procedures.

**Environment:** MS SQL Server 2012/2008R2, MySQL 5.7, SSIS/SSAS/SSRS 2010, T-SQL, Visual Studio 2010/2012, QlikView, Angular JS, Python, power BI, C#, VB.NET, ASP.NET, SQL Server Profiler, Erwin Data Modeler 7.2, WPF, Dashboard, SQL Server Management Studio, SQL Server Business Intelligence Development Studio (BIDS).

**British Telecommunications, Cardiff, UK Jun-09 to Jul -10**

**MSBI Developer**

**Description:** To serve the broadband (Phones, Television and Mobiles) minimize data lag, a new data mart was created for equities purchase and sales on top of the data warehouse to support OLAP cubes. Additionally, the project generated ad-hoc reports for granular analysis of business/strategic decision making.

**Responsibilities:**

* Develop/enhance Project Procurement procedures and systems as required.
* Designed data mappings between sources and staging targets utilizing **Star Schema**.
* Collaborated with the project manager and design architect to outline business requirements utilizing **JRD** sessions.
* Participated in **JAD** sessions to discuss business requirement documents and drafted a functional/non-functional requirements document.
* Created stored procedures, user-defined functions, and triggers to implement business logics and data integrity.
* Created various type of reports in **SSRS** with features such as document map, actions, conditional formatting.
* Created dashboards, sub reports, drilldown reports, summary reports, and matrix reports in **SSRS.**
* Created user defined functions in **SSRS** using **VB** script.
* Designed an advanced **ETL architecture** for the overall data transfer between the **OLTP** to **OLAP** with the help of SSIS.
* Developed Fuzzy Lookup and Fuzzy Grouping for data profiling and data cleansing.
* Implemented logic for incremental load using checksum and timestamp functions.
* Implemented the master/child package models to ensure only the master package is scheduled, consequently firing other packages to reduce complexity.
* Resolved **SSIS package** errors utilizing error logs, breakpoints, checkpoints, and data viewers.
* Incorporated parameters to configure package properties to migrate **SSIS** packages from development/testing to production environments.
* Used VB.net script for data flow and error handling using script component in SSIS.
* Created **SQL** agent jobs for automating execution of SSIS packages on production server.
* Deployed SSIS packages to SQL **Azure.**
* Designed and developed **SSAS cube** with **KPIs,** aggregation, calculated members, and partition for reporting.
* Created analytical reports/dashboards from multidimensional models to identify critical KPIs utilizing **Power BI**.
* Retrieving of external data to Qlikview Dashboard in terms of QVDs by making connection through ODBC and OLEDB.
* Deployed reports on **report server/SharePoint server** and resolved deployment related issues.

**Environment:** SQL Server 2008/2005, T-SQL, SSMS, MS Excel, Erwin, SSIS, SSAS, SSRS,

SharePoint, Power BI, Power View, TFS, DTA, SQL Profiler, Vb.net.

**Cisco, Hyderabad, India Mar-08 to May- 09 SQL Software Developer**

**Project Description:** Improved the existing OLTP database according to changes in the business process. Implemented an OLAP database, cubes, and generated multiple reports for business decision making.

**Responsibilities:**

* Focus on developing and maintaining processes with T-SQL, Stored Procedures, Indexes, User Defined Functions, Views, Dynamic SQL, SQL Scripts, Ad-Hoc Requests, CTE, DDL, DML, Aggregations.
* Managed database security and implemented encryption/compression for sensitive data in the database.
* Actively participated and interacted with users, team lead, DBAs and technical manager to fully understand the requirements of the system.
* Performed Database Search and Query Strategy design, implementation, testing, and optimization.
* Extracted data from many operational systems, including flat files, spread sheets and RDBMSs like SQL Server and Oracle 8i.
* Collaborated in **JAD** sessions with project managers, developers, QA Team, design architects, and design modelers to transform outlined business requirements and specifications into functional / non-functional requirements.
* Created **ER diagrams** and performed normalization to ensure faster querying.
* Scheduled the delivery of various reports with the use of standard and data-driven subscriptions.
* Used SQL Profiler and Query Analyzer to optimize DTS package queries and Stored Procedures.

**Environment:** SQL Server 2005/08, SSMS, T-SQL, Windows Server, SQL Profiler, DTA, Visual Basic 6.0.

**Education**

* Bachelor of Technology (B.Tech) in Electronics and Communications Engineering, from SreeDatta Institute of Engineering and Sciences, Hyderabad, India.