**MEDI SHIVANAGARAJU**

**PROFESSIONAL SUMMARY:**

* Extensive experience developing and working with diverse **collection of applications** and **8+ years** of professional experience as **Microsoft SQL server** **database BI Developer.**
* Highly experienced in **MS SQL Server 2012/2008R2/2008/2005/2000** with Business Intelligence in SQL Server Integration Services (**SSIS**), SQL Server Analysis Services (**SSAS**), and SQL Server Reporting Services (**SSRS**).
* Extensively performed database administration tasks: **Installing, Configuring, Managing, Monitoring** and **Troubleshooting** MS SQL Server 2012/2008R2/2008/2005/2000 on Windows 2003/2003R2/2008/2008 R2/2012 servers.
* Excellent problem solving, analytical, technical, interpersonal and communication skills with strong leadership abilities and an extremely diligent strong team player with an ability to take new roles.
* Possessed Excellent T-SQL Programming skills and effectively used Advanced Programming concepts like CTE’s, Windows Functions, Table Partitioning, Apply Operators, Table Valued Parameters,Output Clause, Merge Statement, Pivot, XML, Dynamic SQL, Table Valued Functions etc.
* Highly experienced in creating **complex Views, Stored Procedures, DDL/DML Triggers** and User-Defined Functions (**UDF**) to implement Business Logic and Data Protection.
* Experienced with SQL Server and T-SQL in constructing **triggers**, **tables**, user defined functions (**UDF**), **views, indexes, user profiles** and **relational database models** with **data integrity**.
* Used **SQL Profiler, Execution Plans, DMV’s, Database Engine Tuning Advisor (DTA)** and Created Suitable **Indexes** for **Query Performance Tuning** and **Optimization**.
* Implemented **Stored Procedures** with **TRY-CATCH** Blocks,Database E-mail for **Error Handling** and Effectively Used **Join Hints, Isolation Levels** to reduce **Locking** and **Blocking**.
* Used **DMV’s** and **Locking Queries** to find out **Locks, Deadlocks** and **Long running Queries** or **Transactions**.
* Written Scripts for deploying the code across various SDLC Environments like **TEST,UAT** and **Production**.
* Experience in implementing different types of **Replication models** like **Snapshot, Transactional** and **Merge.**
* Involved in **Data Modeling** (Logical and Physical Design of Databases), **Normalization** and building **Referential Integrity Constraints**.
* Involved in monitoring **database maintenance plans** for checking database **Integrity, Rebuilding, Reorganizing Indexes, Shrinking Databases, updating statistics, Creating** and **Scheduling SQL Server Agent Jobs**.
* Used Some of T-SQL 2012 New Features like **Sequencer, ThrowStatement, Fetch and Offset** and **Functions**LikeLead(),Format(),Concat(),First\_Value(),Last\_Value(),EOMonth(),TRY\_Convert() etc.

**SSIS Experience (ETL):**

* Designed **ETL packages** dealing with different data sources (**SQL Server, Oracle, Flat Files, Excel Files**, and **XML**s etc.) and loaded the data into target data sources by performing different kinds of transformations using SQL Server Integration Services (**SSIS**).
* Developed SSIS Packages with **Custom error handling**, **Logging** using **event handlers**, **Send E-mail Task** and Used **Checkpoints** to rerun Packages from **Point of Failure**.
* Experienced in working with different data sources like **OLE-DB, flat files** and **Excel** to source data in **SSIS** and proficient in creating **SSIS packages** from scratch and deploying them.
* Designed **SSIS Packages** with Dynamic Tasks and Connections Using **Variables, Expressions** and **Packages Configurations** and followed best practices to maintain Optimized performance.
* Loaded Data warehouse **Fact Tables** and **Dimension tables** of **type 1** and **type 2** attributes Using **Transformations Lookup, Merge Join, Conditional Split** and also Using T-SQL 2008 **Merge** Statement
* Debugged the Packages Using **Break Points, Data Viewers, Script Task**, Deployed the Packages Using **DTUtil** Commands,Deployment Utility and Scheduled Packages with **DTExec** Commands.

**SSRS Experience:**

* Designed and Deployed several SSRS reports such as **Drill down** reports, **Drill through** reports, **Parameterized** reports, **Cascaded** reports, **Cached** reports, **Snapshot** Reports, **linked** reports, **Sub** reports.
* Used **Report Manager** to assign **roles, permissions** and Created report **schedules** and **Subscriptions.**
* Expert in creating traditional as well as **Web-based interactive reports** using SSRS.
* Experienced in creating reports using SQL Server Reporting Services sourcing **OLAP cubes** and **data warehouse**, **data marts** as well as transactional systems.

**SSAS Experience (OLAP):**

* Experienced in building **Star schema** and **Snow Flake schema** depending on business requirements.
* Defined Relationships between **Dimensions** and **Measure Groups** like **Fact Relationship, Many-to-Many Relationship**, and Defined **Dimension Granularity** within a Measure Group.
* Experienced in developing and modifying **cubes** and **dimensions** in cubes using **SSAS**.
* Skilled in developing **Data Warehouses, Data marts** using **Star Schemas** and **Snow Flake Schema**.
* Experienced in Developing, Deploying and Processing **SSAS Cubes** and writing **MDX queries.**

**TECHNICAL SKILL SET:**

|  |  |
| --- | --- |
| Data Warehousing/BI Tools | MS SQL Server Business Intelligence (**MSBI**) Development – SQL Server Integration Services(**SSIS**), SQL Server Reporting Services(**SSRS**), SQL Server Analysis Services(**SSAS**), SQL Server Management Studio(**SSMS**)2000/2005/2008/2008R2/2012, Visual Studio (**VS**) 2005/2008/2010/2012 |
| RDBMS/DBMS | MS SQL Server 2000/2005/2008/2008R2/2012, ORACLE 9i/10g, MS Access, DB2, Sybase |
| Tools | MS SQL Server Management Studio (**SSMS**), Performance Monitor, Power Pivot, SSIS Documenter, SQL Agent, SQL Mail, **Erwin**, Team Foundation Server (**TFS**) 2008/2010/2012, Microsoft **Visio**2003/2007/2010/2013, Visual SourceSafe (**VSS),**  Import/Export Wizard. |
| Web Technologies | HTML, DHTML, XML, IIS, Apache. |
| Programming Languages | T-SQL, PL/SQL, C#.net, Core Java, C, Java Script,VB Script, XML, HTML |
| Operating Systems | Windows 8/7/Vista/XP, Windows Server2000/2003/2008/2012. |

**EDUCATION QUALIFICATIONS:**

B Tech in Computer Science (Bachelor's of Technology), JNTU ,INDIA.

**Professional Experiences:**

**Ernst & Young, Atlanta, GA**

**Mar2012-Present**

**Sr. SQL BI Developer**

Ernst and Young has managed to remain on the top ten lists of audit companies in the fourth position for two years in a row. Having over hundreds of professionals working worldwide from Ernst and Young, there is a basic mindset and set of policies followed by one and all in the firm to maintain their standard.With current market fluctuating every now and then, Ernst and Young strive hard to provide the best and the most effective means of advisory and the best audit, tax, strategic growth service available to its clients in several industries like consumer product, government and public sector, financial services, technology, telecommunication, private equity and other industry sectors.

**Responsibilities:**

* Interacted with Business Users and Analyzed user requirements and built reporting solutions such as **relational database reports, OLAP reporting, dashboards** and **scorecards**.
* Involved in the **dimensional modeling of Data warehouse** using **Erwin** tool.
* Created complex **T-SQL Queries, Stored Procedures, Indexes, Functions** and**Views** to support efficient data storage and manipulation in SQL server management studio(**SSMS**).
* Created appropriate Triggers to assist efficient **data manipulation** and **data consistency.**
* **Migrated DTS Packages** of SQL Server 2005 to SQL Server 2008 as per business requirement.
* Responsible for **ETL Operation** which extracts and transforms the data to **Data Warehouse** using SQL Server Integration Services (**SSIS**).
* Extensively used **transformations, control flow tasks, containers** and **event handlers**.
* Used **checkpoints** to implement the restart ability of the packages in **SSIS.**
* Implemented **custom logging** in SSIS using **event handlers** and execute SQL task.
* Developed **Dynamic packages** using SSIS and Implemented **Incremental Data Loading**.
* Implemented **Error Logging** using **Event Handlers** and also implemented logging in **SSIS Packages** in visual studio(**MSVS**).
* Created **dynamic Package Configuration** of type SQL Server table.
* Generated various **Report models** on **Views** (due to security issues) and deployed them on to the production reporting server and generated various Report models and **ad-hoc reports**.
* Good understanding in **Data Marts** and **data warehousing** concepts (**OLTP & OLAP**). Worked with **Data mining** and **slowly changing dimensions.**
* Experience with **logical** and **physical data modeling**, **FACT** and **Dimensional** tables and database design using Data Modeling Tools like **Erwin, MS access** and **Microsoft Visio.**
* Experience in **Dimensional Modeling**, Designing of **STAR, SNOW FLAKE Schemas**.
* Involved in **Analyzing, designing, building of OLAP cubes** with **SSAS 2008(R2)** Identified and defined Fact relationships in **SSAS.**
* Understanding the **OLAP** processing for changing and maintaining the **Warehousing, Optimizing Dimensions, Hierarchies** and adding the **Aggregations** to the **Cube**.
* Worked on **PERFORMANCE POINT SERVER** to build advanced **KPI**’s for the cubes.
* Involved in **Troubleshooting** system issues, monitored **scheduled jobs** and set up **maintenance plans** for proactively **monitoring the performance** of SQL Server databases.
* Involved in **Optimization** and **Performance of queries** and **stored procedures** using **SQL Execution Plan.**

**Environment:** Erwin, SQL Server 2008 R2/2012, Business Intelligence Development Studio (BIDS 2008 R2), SSIS, SSRS, SSAS, Visual Studio 2012/2010, Team Foundation Server 20012/2010, BI Xpress V4.0.0, .NET Framework, T-SQL, MS-Excel, XML, Window 2007 Server, Crystal Reports, Share Point Server 2010.

**New EdgeLLC, Chicago, IL**

**2011- Feb2012**

**Sr. MS SQL Server SSIS Developer**

**New Edge** is a leading provider of enterprise manufacturing execution and quality systems. The answer was yes, no problem. Customers now have the option of doing a confident migration to **SQL Server** when growth and technological obsolescence of hardware forces a reexamination of IT strategy. SQL Server provides a lower total cost of ownership allowing more money to address corporate strategic goals.

**Responsibilities:**

* Created SQL Server Reports for Management using **SSRS**. Tasks included **defining requirements, design, develop, test, implement and maintain** reports using SSRS.
* Developed several reports with consistent **drill-down** functionality including **Drilldown** reports, **Summary** reports and **MasterDetail** reports.
* Developed **Custom Functions, Manual Running Totals** and **Complex Formulas** for reports.
* Used **breaks, calculations, sorts, filters** and **sections** to enhance data presentation in reports.
* Created **SSIS package** in which records were loaded daily, also from other data resources such as Excel, Access, flat file, Oracle and XML in order to create and maintain a **centralized data warehouse**.
* Created **cubestructure** for the analysis of business condition and for creation of report using **SSAS**.
* Created **drill down** and **sub reports** from **SSAS** cubes that can be browsed on web.
* Worked on with **Report Manager, Report Builder**, and **Reporting Security** and **Reporting ServicesConfiguration manager**.

**Environment:** MS SQL Server 2008/2008R2, SSRS, SSIS, SSAS, T-SQL, MS-Excel, XML, Windows 7.

**Cigna Life Insurance, CT**

**Sept2009 - Dec 2010**

**SQL Server Developer/ BI Developer**

Cigna is a global health service company, dedicated to helping the people we serve improve their health, well-being and sense of security.We make this happen through a broad range of integrated health care and related plans and services, and proven health and well-being programs that are targeted to the unique needs of our customers, clients and partners.

**Responsibilities:**

* Based on business requirements, developed the complex SQL queries with Joins and **T-SQL, Stored Procedure, Views, Trigger** to implement the business rules and **transformations**.
* **Designed, Developed** and **Deployed** reports in MS SQL Server environment using **SSRS**.
* Created Subscription of Reports in different formats like pdf, excel etc. to be executed automatically on daily, weekly or monthly basis using **MOSS** (Microsoft Office SharePoint Server) tool.
* Connected various applications to the database.
* Created databases and schema objects including **tables, indexes, views** and applied **constraints**.
* Created reports from complex **SQL queries** and **MDX** queries.
* Created and implemented the **staging database** prior to the final **data warehouse**.
* Involved in **Migration** of different **DTS packages** to SSIS packages.
* Expert in **FTP task**, **ETL script task**, **look up transformation** and **data flow** tasks to load staging databases.
* Implemented **SSAS Cubes**, **Facts** and **Dimension** tables to perform analysis services.
* Created and scheduled **SSIS packages** to load the data form **OLTP** source system to data staging environment and then to **data warehouse** environment.
* Designed the **SSIS** Package for the Scheduling the task for the different operations like extracting the data, to perform appropriate **transformation** and **Loading** purposes.
* Involved in the **performance tuning** for the **OLAP Cube**.
* **Designed** and **implemented data marts**, **facts dimensions** and **OLAP cubes** using **dimensional modeling** standards in SQL server 2005.
* Involved in the **SSAS partitions** and **calculation of queries with MDX**, developing reports using MDX and T-SQL.
* Worked with **SharePoint Server 2007** while deploying SSRS reports.
* Performed daily tasks including backup and restore by using SQL server 2005/2008 tools.
* Responsible for maintaining **UAT** (User Acceptance Testing) and Production environment.

**Environment:** MS SQL Server 2005/2008, MS SQL Server Reporting Services 2008, MS SQL Server Integration Services 2008, SQL Server Analysis Services 2008, Windows XP,Excel, Acrobat Reader, Microsoft Office SharePoint Server.

**Texas Department of Housing and Community Services, Dallas, T**X

**Sept 2008-- Aug2009**

TDHCA's mission is to help Texans achieve an improved quality of life through the development of better communities. The Department accomplishes this mission by acting as a conduit for federal grant funds for housing and community services. TDHCA also serves as a financial and administrative resource that helps to provide essential services and affordable housing opportunities to Texans who qualify for this assistance based on their income level.

**Sr. MS SQL Server Developer (SSIS/SSAS/SSRS)/DBA**

**Responsibilities:**

* Performed **Migration** of SQL Server 2005 to SQL Server 2008.
* Generated **Logical** and **Physical Data Models** using **Erwin**.
* Created Database Objects like **Tables, Stored Procedures, Views, Triggers, user defined data types** and **functions** by writing complex queries and joins.
* **Migrated Stored Procedures** from 2005 to SQL Server 2008 to refer to **Dynamic Management Views**.
* Created and Deployed of **Ad-hoc** and **Customized Reports** to satisfy business needs using **SSRS**.
* Created **SSIS Packages** to (**ETL**) **Extract, Transform** and **Load** the data into Reporting instance to generate the reports easily and quickly.
* Used **SQLCMD** utility in command prompt to access SQL Server.
* Deployed the **SSIS** Packages to the **MSDB** as well as **File System** depending on the requirements
* Maintained all the **SQL documents** include **installation** and **data conversion Procedure documents**.
* Monitored **Indexes, file growths** and analyzed **blocking & locking** issues to remove the **performance bottlenecks.**

**Environment:** MS SQL Server 2005/2008,SSIS, SSRS, SSAS, T-SQL, ERWIN, windows 2003/2005 platform, Excel, Access, Crystal Reports 2008 and Windows NT, DTS.

**Charter Communications, St Louis, MO**

**May 2007– June 2008**

**MS SQL Server/BI Developer (SSIS/SSAS/SSRS)**

Charter is the Missouri's largest provider of broadband Cable, high-speed internet and broadband phone services. As part of the database management services team, we maintain all databases owned by Charter.

**Responsibilities:**

* Upgraded the server from **SQL Server 2000 to SQL Server 2005**.
* Migrated databases from MS SQL Server 2000 to MS SQL Server 2005 using **Backup** and **Restore** method.
* Created and managed **schema objects** such as **Tables, Views, Indexes, Stored Procedures and User-Defined Functions** by writing **complex Queries and Joins**.
* Developed and delivered dynamic reporting solutions using **Crystal Reports 11.0**.
* Tuned SQL queries using **execution plans** for better performance.
* Remediated database objects including **triggers, stored procedures, functions, user-defined functions**.
* Performed **backup/restore**, database objects such as tables, procedures, triggers, constraints, indexes, views and **user security management**.
* **Administered SQL Server security**, SQL Server **automatic e-mail notification** and SQL Server **backup strategy and automation.**
* Created reports like **tabular, matrix, ad-hoc, drill down** and **drill through** reports using **SSRS**.
* Extensively used**Database Tuning Advisor** (DTA) to improve the performance of Query (**Query Optimization**).
* Used **Performance Monitor** and **SQL Profiler** to optimize queries and enhance the performance of database servers.

**Environment:** MS SQL Server 2000 Enterprise Edition, SQL Server 2005 Enterprise Edition, Crystal Reports 11.0, ODBC, VBScript, Windows 2000/2003 Server

**HDFC Bank, Hyderabad, INDIA**

**June 2005- Mar2007**

**MS SQL Developer/BI developer**

Housing [Development Finance](http://www.hdfc.com/others/about-hdfc.asp) Corporation Limited (HDFC Ltd.) was established in 1977 with the primary objective of meeting a social need of encouraging home ownership by providing long-term finance to households. Over the last three decades, HDFC was a pioneer in leading in housing finance in India, since inception, HDFC has assisted more than 39 Lakh customers to own a home of their own, through cumulative housing [loan](http://www.hdfc.com/others/about-hdfc.asp) approvals of over Rs. 3.73 trillion and disbursements of over Rs. 3.02 trillion as at March 31, 2011.

**Responsibilities:**

* Created Logical and Physical data models using **Erwin 4.0** data modeling tool.
* Developed **complex Stored Procedures, Functions,DTS** (Data Transformation Service) **packages**, **Triggers, Cursors, Tables, Views, Indexes** and other SQL joins and statements for applications.
* Migrated the data from various sources using **DTS**.
* Scheduled and performed **data transfers** using **DTS** including filtering appropriate to the **data mart** for data analysis.
* Compressed data files by removing empty database pages and updating **index statistics**.
* Developed and edited many complex reports with **Crystal Reports 10.0**.
* Designed and implemented **user log in and security**.
* Managed and monitored the system utilization by using the **query optimizer** and checking the **execution plan** and worked in **Enterprise Manager** for **job scheduling** and **batch queries**.
* Planned the complete **back-up** of databases for **disaster recovery (DR)** scenarios.
* **Reorganized database structures** as needed, **automated procedures** at regular intervals.
* Optimized **long running Stored Procedures** and Queries for effective **data retrieval**.
* Involved in **project planning**, scheduling for database module with project managers.

**Environment:**MS SQL Server 2000 Enterprise Edition, MS Access 2003, DTS, T-SQL, Query Analyzer, BCP, SQL Profiler, Windows 2003 Server, Crystal Reports 10.0