**Balwanth Kumar Mahankali**

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**SQL SERVER/BI DEVELOPER**

**Professional Summary:**

* **Over 7+ years** of professional experience in SQL Server database development, extensively worked in Production, Test, Development and **Replication** & **Cluster Server** Environments & development databases as a Developer.
* Hands on experience in creating indexed **Views, complex Stored Procedures, effective functions, and appropriate Triggers** to assist efficient data manipulation and data consistency.
* Experienced in developing logical and physical data models using data modeling tools such as **Erwin** and **ER/Studio**.
* Efficient in creating joins and sub-queries for complex queries involving multiple tables.
* Well versed in **Normalization/Demoralization techniques** for optimum performance in relational and dimensional database environments.
* Experience in **Creating and Updating Statistics** to improve the SQL Server Performance.
* Experience in **Analyzing Execution Plan** and **managing indexes** and troubleshooting deadlocks.
* Good Knowledge in managing **Data and Transaction log files, Files Groups.**
* T-SQL Programming using **DDL, DML** commands for various business applications
* Experience in query optimization & performance tuning.Used Performance tools like **SQL Profiler, Index Tuning Wizard** and **Database Engine Tuning Advisor.**
* Expertise in solving **Dead Locks/Long running queries** using **Performance Monitor** and **SQL Profiler**
* Experience in Crystal Reports, Reporting Services for MS SQL Server and SQL Server Agent in Support Services and **MDX technology of the analysis services**.
* Experience in creating packages, jobs, sending alerts using **SQL Mail** and extended stored procedures.
* Experience in Configuring and Managing **Linked Servers**, data transfer between SQL Server and other heterogeneous relational database such as **Oracle and DB2**.Hands on experience with performing various SSIS data transformation tasks like **Look-ups, Fuzzy Look-ups, Checksum, Conditional Splits and Event Handlers**, Error Handlers etc.
* Experienced in **Extracting, Transforming and Loading (ETL)** data from Excel, Flat file, Oracle to MS SQL Server by using **BCP utility, DTS and SSIS services.**
* Hands on experience working with SSIS, for ETL process ensuring proper implementation of **Event Handlers, Loggings, Checkpoints, Transactions** and **package configurations.**
* Created many complexSSISpackages with complicated transformations like **Lookup, Derived Column, Condition Split, Multicast, Sort, Union All, Cache Transform, and Conditional Split etc**
* Great Expertise in Creating and managing **event handlers**, **Package Configurations, Logging**, **Check points, Package Securities** and **User Defined Variables** for **SSIS** Packages. Hands on experience in creating the **MDX** cubes and dimensions **(SSAS).**
* Experience in Designing, Creating, **Deploying** and **Processing of Cubes** using **SSAS**.
* Good experience in Designing **Aggregation**s and pre-calculating the same in **SSAS** 2005/2008/2008R2.
* Developed**materialized views**for data replication in distributed environments.
* Excellent technical and analytical skills with clear understanding of design goals of ER modeling for **OLTP** and dimension modeling for **OLAP.**
* Experience in **Oracle supplied packages, Dynamic SQL, Records**and**PL/SQL Tables.**
* Loaded Data into Oracle Tables using**SQL Loader.**
* Excellent hands on experience in creating groups, hierarchies and measures**, KPIs.**
* Experienced in **Designing and Building the Dimensions** and **cubes with star schema** using **SQL Server Analysis Services (SSAS), Stored Procedure, Functions, Views, Joins and Cursors.**
* Supported team in resolving SQL Reporting services **(SSRS)** and T-SQL related issues and Proficiency in creating different types of reports such as Cross-Tab, Conditional, **Drill-down,** Top N, Summary, Form, **OLAP and Sub reports**, and formatting them.
* Expertise in designing complex reports like **Drill-Down Reports**, **Drill-Through** Reports, **Parameterized** Reports using SQL Server Reporting Services **(SSRS)** based onclient requirement.
* Experienced in deploying created reports in various sources like **Web browser, XML and PDF.**
* Developing reports on **SSAS & SSRS** on SQL Server (2000/2005). Sound Experience and understanding of **SSAS, OLAP cube and Architecture.**
* Good knowledge in using **system tables such as sysindexes, sysprocesses, sysobjects and syscomment** in various queries and using **Database Console Commands (DBCC)**.
* Good Knowledge in managing **Data and Transaction log files, Files Groups.** Hands on experience in troubleshooting database issues.
* Excellent experience in designing and developing Reporting System using Business Objects. Experience with **Finance, Banking & Accounting** Clients.
* Excellent verbal and written communication skills combined with interpersonal and conflict resolution skills and possesses strong analytical skills.
* Experience in Developing and Extending **SSAS Cubes, Dimensions and data source views** SSAS-**Data Mining Models** and Deploying and Processing SSAS objects.
* Extensive experience in creating **Jobs, Alerts, SQL Mail Agent, and automating DTS/SSIS Packages**.
* Worked with improving the performance on **SQL, TSQL and SSRS procedures** and provided the recommendation on server related tuning issues.
* Experience in **Extracting, Transforming and Loading (ETL)** data from Excel, Flat file, Oracle to MS SQL Server by using **BCP utility, DTS and SSIS services.**
* Experience in creating SSIS packages with **Error Handling.**
* Experience in enhancing and **deploying** the **SSIS Packages** from development server to production server**.**
* Created stored procedure for generating reports using **SQL Server Reporting Services (SSRS).**
* Experience in deploying created reports in various sources like **Web browser, XML and PDF.**
* Good Knowledge in **Designing and Building the Dimensions** and **cubes with star schema** using **SQL Server Analysis Services (SSAS).**
* Efficient in upgrades and migration from **MS SQL Server 2000/2005** to **MS SQL Server 2012/2008**.
* Good Exposure with Microsoft Office System – **MS Word, MS EXCEL, MS PowerPoint, MS Access, MS office Tools.**
* Quick learner and proactive team member with good **Communication skills** and Leadership capabilities.

**Technical Skills:**

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| **Languages** C, CPP, JAVA, SQL, T-SQL, Pl/SQL, VB script 6.0, PHP  **RDBMS** MS SQL Server 2012, 2008R2, 2008, 2005, 2000, MS-Access  **ETL Tools** SISS 2005, SISS 2008  **Server Tools** BCP, DTS, Import/Export Wizard, SQL Mail, SQL Server Management  Studio, SSIS, SSRS, SSAS, Index Analyzer  **Front End** MS Visual Basics 6.0, SharePoint  **Web Technologies** HTML, XML, Java Script.  **Middle Tier** MSMQ, Web Logic, Web Connect, Microsoft .Net Technology.  **Reporting Tools**  SSRS (2012, 2008R2, 2008, 2005).  **Data Modeling Tool**  MS Visio, Erwin  **Operating System** Windows Server 2008R2/2008 /2005/2003/2000 /XP, Linux. |

**Professional Experience:**

**Universal American Insurance, Houston, TX Sep 2013 – Present**

**SQL Server Developer, SSRS/ SSIS/ SSAS Developer**

Universal American offers a range of health insurance and managed care products and services, primarily to the senior population. It also provides administrative services for senior market insurance and non-insurance programs to both affiliated and unaffiliated insurance companies.

**Responsibilities:**

* Managed the **migration** of **SQL Server 2000** databases to **SQL Server 2005**
* Created **Table, Stored procedures a**nd **defined functions.** Created SQL scripts for tuning and scheduling*.*
* **Fine-tuning Stored Procedures** to improve performance that was achieved by **removing unnecessary cursors** and used **SQL Profiler** to improve performance.
* Developed **physical data models, data warehouse models** and created **DDL scripts** to create database schema and database objects.
* Generated periodic reports based on the statistical analysis of the data from various time frame and division using **SQL Server Reporting Services (SSRS).**
* Developed various operational, **drill-through** and **drill-down** reports using **SSRS**.
* Designed **Star schema** (identification of facts, measures and dimensions) and **Snowflake schema**.
* Migrated all DTS packages to **SQL** **Server Integration Services (SSIS)** and modified the package according to the advanced feature of SQL Server Integration Services.
* Migrated data from Heterogeneous Data Sources and legacy system (Cognos, DB2, Access, Excel) to SQLServerdatabases using **SQL** **Server** **Integration Services (SSIS)** to overcome transformation constraints.
* Used **SSIS** to create **ETL packages** to validate, extract, transform and load data to **data warehouse** databases and data mart databases.
* Involved in data loading using **PL/SQL** and **SQL\*Loader** calling UNIX scripts to download and manipulate files.
* Performed **SQL and PL/SQL tuning**and Application tuning using various tools like **EXPLAIN PLAN, SQL\*TRACE, TKPROF**and**AUTOTRACE.**
* Extensively involved in using **hints to direct the optimizer** to choose an optimum **query execution plan.**
* Used **Bulk Collections** for **better performance** and easy retrieval of data, by reducing context switching between SQL and PL/SQL engines.
* Involved in the Data modeling, Physical Design of Database using tools like Erwin.
* Used **DBCC** Statements to perform maintenance tasks on the database. Executed DBCC commands like **CHECKDB** before backing up the databases.
* Performing **Replication** (snapshot and transactional).
* Experience in Designing, Building the Dimensions, **cubes with star schema** using **SQL Server Analysis Services (SSAS)** for analyzing purpose.
* Enhanced the functionality of **OLAP Cube** by creating KPI, Actions and Perspective from huge dataset using **SQL** **Server** 2005 Analysis Services.
* Created complex **SSAS cubes** with multiple fact measures groups, and multiple dimension hierarchies based on the **OLAP** reporting needs
* Troubleshoot system issues, monitored **scheduled jobs** and set up maintenance plans for proactively monitoring the performance of SQL Server databases.
* Configured **replication servers** and **transactional replication** between production & standby server for disaster recovery
* Created calculated measures and dimension members using multi dimensional expression (**MDX**).
* Experience using **REDGATE** to compare and synchronize all database objects.
* Creating and Maintaining Users roles groups and granting the privileges to users and Groups and maintaining security up to date.

**Environment**: SQL Server 2000/2005, Reporting Services (SSRS), Integration Services (SSIS), Analysis Services (SSAS), BCP, DTS, Import/Export Wizard, SQL Mail, SQL Server Management Studio, Index Analyzer DTS, MS SQL SERVER, T-SQL, MDX, Windows 95/NT/2000/2003, XML, MS Excel and MS Access, Visual Team Foundation Server, Crystal Reports, TOAD

**Microsoft, Bellevue, Washington Feb 2012 – June 2013**

**SQL Server Developer, SSRS/ SSIS/ SSAS Developer**

OURBI is the Business Intelligence platform for handling issue management system named as AIMS – Advertising Incident Management System and this supports various LOBs including operations and service delivery teams. This project is owned by Solution Management Group within Microsoft. AIMS is the primary place where support teams manage issues submitted by customers, or internal partners through email, online forms or the client portal. AIMS is the cornerstone for managing issues within the broader AdCRM Platform. Once an issue is resolved, and before closing the ticket, it is essential to code the ticket with the highest detail and complete the advertiser information located within ‘Issue Details.’ This information allows business operations to analyze trends and drive more cost-efficient service.

**Responsibilities:**

* Developed complex programs in T-SQL\PL-SQL, writing **Stored Procedures**, **Triggers** and **Queries** with best execution plan.
* Rewrote SQL queries to upgrade SQL Server performance using SQL Server 2000/2005/2008.
* Extensively worked on **stored procedures, triggers, Views, cursors, CTE’s, T-SQL scripts, schemas,** permissions and performance issues with client/server database design.
* Defined **Check constraints, Business Rules, Indexes, and Views.**
* Worked with **Exception handling with** @@error and with Try/catch.
* Worked on UI Data pop and Meta-data for populating data in EXCEL 2007/2010 using **SQL macros.**
* Maintained the physical database by monitoring performance, integrity and **optimize SQL queries** for maximum efficiency using SQL Profiler, Data Engine Tuning Advisor and index tuning wizard.
* Developed dashboards using Excel **Power Pivot**.
* Developed Query for **generating drill down and drill through** reports in SSRS 05/08.
* Uploaded reports on to the report manager and organized them into folders.
* Generated and **formatted Reports** using Global Variables, Expressions and Functions for the reports. Designed and implemented **stylish report layouts**.
* Identified and worked with Parameters for parameterized reports in **SSRS 2005/2008.**
* Used **ProClarity** for accessing and analyzing cubes and dimensions, and also worked on integration of **SharePoint with SSRS**
* Used Excel **Power Pivot and Power view** to build Scorecards and Dashboards.
* Responsible for scheduling the subscription reports with the **subscription report wizard**.
* Used **SSIS** to create **ETL** **packages** to validate, extract, transform and load data to data warehouse databases, data mart databases, and process **SSAS** **cubes** to store data to **OLAP** databases.
* Designed and developed **SSIS** Packages to extract data from various data sources such as Access database, Excel spreadsheet, and flat files into **SQL** **server** 2005 for further Data Analysis and Reporting by using multiple transformations provided by **SSIS** such as **Data Conversion**, **Conditional Split**, **Bulk Insert**, merge and **union all.**
* Have good hands on experience working with FTP component in **SSIS** and used Configuration Manager to retrieve the passwords.
* Worked on transformations such as **Checksum** in SSIS where all of the rows in table need to compared for an update
* Experience in Designing, Building the Dimensions, **cubes with star schema** using **SQL Server Analysis Services (SSAS)** for analyzing purpose.
* Created shared **dimension tables**, **measures**, **hierarchies**, levels, cubes and aggregations on MS OLAP/ Analysis Server **(SSAS).**
* Created various **Dash Boards** using **Performance Point Server**
* Enhancing performance using optimization techniques-**normalization, indexing** and **Transaction Isolation levels, monitoring logs** to ensure the completeness of batch processes, scripts and processes.
* Created **Linked Servers** to connect OLE DB data sources and providers.
* Administered the SQL server by creating user logins, dropping and locking the logins, monitoring the user accounts, creating groups, granting privileges to users and groups.
* Configured **replication servers** and **transactional replication** between production & standby server for disaster recovery.
* Designed and created **MDX queries** to retrieve data from **cubes using SSIS**.
* Experience in SQL database design, architecture, data modeling using Erwin; Data Warehousing and analysis skills: **ETL tools, MDX, OLAP (MOLAP, HOLAP, ROLAP), dimensional modeling, star schema and snowflake schema.**
* Identified and Defined Key Performance Indicators in **SSAS 2005/2008.**
* Configured **MERGE** Replication using **Snapshot** agent and **Merge** **Agent**. Created Distribution Databases, updated Publishers, created & managed Publications, managed Replication monitors.
* Managed the **migration** of SQL Server 2000 databases to SQL Server 2008.
* Provided day-to-day administration tasks like **space** and **log** **management**.
* Developed **Backup** and **Recovery** Strategies, and **Disaster** **Recovery** Plan
* Perform Capacity Monitoring and short and long-term **Capacity Planning** in collaboration with development resources and System Administrators.

**Environment:** MS SQL Server 2008/2005/2000/7.0, DTS, Windows Server 2008, SSMS, BIDS,SSRS, SSIS, SSAS ,Report Builder 3.0,Report Model, Erwin, Team Foundation Server , Performance Point Server, ProClarity, SharePoint (MOSS), FTP, MS-Visual Studio , UNIX, XML,XSLT, ADO.Net.

**MetLife Insurance, Iselin NJ Sep 2010- Dec 2011**

**HRMS (Human Resource Management System)**

**SQL Server Developer, SSRS/ SSIS Developer**

MetLife is one of the leading providers of auto, home and life insurance in the United States. Worked as a **database consultant** at MetLife for **Human Resource Management System (HRMS)**, part of an **ERP (Enterprise Resource Planning) group.**

**Responsibilities:**

* Create User Defined Functions, Stored Procedures, and Triggers.
* Performed data conversions from **Flat files**into a normalized database structure.
* Developed, modified, and optimized **complex stored procedures**, triggers to handle complex business rules, history data and audit analysis
* Responsible for creating **constraints, Indexes, and Views.**
* Optimized the **performance of queries** with modification in **T-SQL queries, normalized tables, established joins and created indexes** wherever necessary.
* Created **triggers**, **views, user defined functions** to incorporate the flow of business and called various **stored procedures** from DTS to make the flow of DTS effective.
* **Performance tuning** of **SQL queries** and **stored procedures** using **SQL Profiler and Index Tuning Wizard**.
* Managed **upgradation of** **DTS packages to SSIS packages.**
* Identified and worked with Parameters for parameterized reports in SSRS.
* Used **Database Maintenance Wizard** to make necessary changes and to keep the performance of the server at acceptable levels.
* **Configured Server** for sending automatic mails to when a DTS process fails or succeeds.
* Transformed data from various data sources using **DTS** packages.
* Created **Crystal Reports** on daily, weekly and monthly basis for manager’s review.
* Responsible for **MS SQL Server 2000** in Production, Test, Development and **Replication** & **Cluster Server** Environments

**Environment:** SQL Server 2000, Windows 2000 Advance Server, Windows 2003 Server, XML, T-SQL, MS Excel, MS Access,VB.NET 3.0 and DTS.

**Walgreens, Chicago, IL June 2009 – Sep 2010**

**Database Developer**

**Responsibilities**:

* Transformed data from various data sources using OLE DB connection by creating various DTS packages.
* **Migration** of databases from MS SQL Server 7.0 to MS SQL Server 2000.
* Involved in **Data modeling** to develop the database design using **Erwin 4.0**
* Installation and configuration of MS SQL Server on Windows 2000/2003 Server.
* Involved in designing of Conceptual Logical Model and Physical Model.
* Created new database objects like Sequences, **Procedures**, **Functions**, Packages, **Triggers**, **Indexes** and **Views** using T-SQL in Development and Production environment for SQL Server 2000.
* Developed Database **Triggers** to enforce Data integrity and additional **Referential Integrity**.
* Involved in performance tuning and monitoring of both **T-SQL** and **PL/SQL** blocks.
* Used SQL Profiler and Query Analyzer to optimize DTS package queries and stored procedures.
* Scripting the **Database Consistency Checks** (DBCC), scheduling the scripts to run daily and weekly basis.
* Scheduling transfer of **backups** and **log** files to different servers.
* Creation of schema objects, rules and granting of roles to the users.
* Testing and implementing Database **Backup Procedures, Restoration Procedures, Disaster Recovery procedures** and **Contingency plans**.

**Environment:** SQL Server 2000/2005, Oracle 9i, Query Analyzer, SQL Profiler, DTS, HTML, T-SQL, PL/SQL, Erwin 4.0, Windows Server 2000/2003, UNIX.

**SBI, India Sept 2008 – May 2009**

**SQL Server Developer**

State Bank of India (**SBI**) is the largest banking and financial services company in India that offers innovative banking products and services to the customers.

**Responsibilities:**

* Efficiently took part in the **Software Development Life Cycle (SDLC)** processes including Analysis, Design, Programming, Testing and Documentation.
* Creation, manipulation and supporting the SQL Server databases.
* Used **SQL Server Enterprise Manager and Query Analyzer** to administer SQL Server.
* Involved in creating **Databases, Tables, Views, Cluster/Non-Cluster Index, Unique/Check Constraints**, Rules and Defaults.
* Wrote **User Defined Functions and Stored Procedures** to implement business rules.
* Created **Triggers** to enforce data and referential integrity.
* Write T-SQL statements for retrieval of data and involved in performance tuning of TSQL queries.
* Developed **Master/Detail Reports** and **Tabular reports** using **Crystal Reports**

**Environment:** SQL Server 2000, Windows NT 4.0, Crystal Reports 9.0.

**Tata Indicom, India July 2007- Aug 2008**

**Application and SQL Server Developer**

**Responsibilities:**

* Data transfers between various servers using BCP and DTS.
* Actively involved in different stages of Project Life Cycle.
* Installation of MS SQL server on multiple environments and Creating tables and databases, defining entity, attributes relationships using constraints.
* Followed and maintained standards and best practices in database development.
* Involved in tuning of database by creating efficient stored procedures and T-SQL statements.
* Involved in database programming in writing stored procedures, triggers.
* Created Clustered and Non-Clustered Indexes for improved performance.
* Created Tables, Views and Indexes on the Database, Roles and maintained Database Users.
* Documented the data flow and the relationships between various entities.
* Actively participated in gathering of User Requirement and System Specification.
* Created new Database logical and Physical Design to fit the new business requirement and implemented the same using SQL Server.
* Provided assistance to development teams on Tuning Data, Indexes and Queries.
* Developed new Stored Procedures, Functions, and Triggers.
* Implemented Backup and Recovery of the databases.
* Actively participated in User Acceptance Testing, and Debugging of the system.

**Environment:** MS SQL 2000, Windows 2000/XP, SQL Query Analyzer and Enterprise Manager. MS Access 2000 & Windows NT platform.

**Education:**

**Bachelor of Science in Computer Science Engineering.**

Jawaharlal Nehru Technological University, Hyderabad