**Tirumalesh Pusunala**

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**MSBI / Sr. SQL Developer**

**PROFESSIONAL SUMMARY:**

* Overall 8 years of experience in Project Design, Analysis, Development and management using **MICROSOFT** **SQL SERVER (2005/2008/R2/2012/2014/2016).** Seeking a challenging position to utilize my skills and having strong interpersonal and communication skills.
* Excellent Knowledge in **Microsoft Business Intelligence Technologies** like MS SQL Server Integration Services **(SSIS),** MS SQL Server Reporting Services **(SSRS)** and **SSAS** of MS SQL server 2005/2008/2008R2/2012.
* Excellent Knowledge in Data Warehouse Concepts like **OLAP** and **OLTP.**
* Extensive experience in using **Informatica** Power Center tool, for implementation of ETL methodology in **Data Extraction, Transformation and Loading**.
* Excellent knowledge of **Informatica** Administration and in grid management, creation and up gradation of repository contents, creation of folders and users and their permissions.
* Designed, developed and went live after migrating several **MS Access & SQL Server databases** for corporate developers, resolving typical database issues.
* Strong experience with SQL Server and T-SQL in constructing **stored procedures**, **DDL /DML** **triggers,** tables, user functions, joins,views, indexes,user profiles, relational database models,data dictionaries, exceptional handling, and data integrity.
* Experience in writing SQL Queries for pulling large volume of records from Facts and claims database using stored procedures, and **Extraction, Transformation, and Loading (ETL)** process using SSIS.
* Experienced in web application design and development using multiple versions of **.NET Framework** including **ASP.NET MVC with C#.**
* Experienced with deployments, maintenance, and troubleshooting of applications on **Microsoft Azure Cloud**.
* Experienced in **Data Extraction, Transformation and Loading** (ETL) between Homogenous and Heterogeneous Systems using DTS and SSIS of MS SQL Server
* Experience in a fast-paced **Agile** Development Environment including Extreme Programming.
* Experience in Monitoring, Job scheduling, **Trouble shooting, Backup, Recovery** and **System upgrading.**
* Good Knowledge in creating web applications using **ASP.Net, XML, HTML, DHTML,** JavaScript and CSS (Cascading Style Sheets).
* Developed SSIS Packages to **Extract, Transform and Load (ETL)** data into the Data warehouse from Heterogeneous databases such as **Oracle, DB2** and **SQL Server**.
* Created various reports like **Drill through reports**, **Drill down reports**, **Sub reports**, Cascading Parameters, Linked reports, Matrix etc. using **BIDS**.
* Good experience in using Multidimensional Expressions **(MDX)** for querying and manipulating the multidimensional data stored in **OLAP cubes**.
* Experienced in using **Informatica Data Quality** IDQ for data profiling, standardization, enrichment, matching, and consolidation
* Strong analytical and problem solving skills coupled with excellent written, verbal and inter-personal communication skills.

**Technical Skills:**

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| --- | --- |
| **Database Tools** | SQL Server Management Studio (SSMS), SQL Server Business Intelligence Development Studio (BIDS), |
| **Languages** | T-SQL, PL/SQL, XML, Java, VB.Net, C#, .NET, ASP.NET, HTML. |
| **Operating Systems** | Windows 2007/2010 Windows Server 2000/2003/2008/2008 R2/2012,  COSMOS, MAC, LINUX, ODS. |
| **Databases** | MS-SQL Server 2005 / 2008 / 2008 R2 / 2012, MS Access, MySQL, DB2, Oracle, Azure, Sybase, Teradata. |
| **Reporting/ Analysis Tools** | Microsoft Excel, SSRS, SSAS, Informatica, Tableau, Microstrategy, SharePoint. |
| **Application Software** | Visual Studio, Visual Source Safe, MS Office, Team Foundation Server, Sub-Version, eclipse, GIT. |
| **ETL Tools** | DTS, SSIS, Bulk Copy Program (BCP), Business Intelligence Development Studio (BIDS), Crystal Reports, Toad. |

**WORK EXPERIENCE:**

**CGI, Dallas, TX 03/2017–till date**

**Sr. SQL / BI Developer,**

**Responsibilities:**

* Worked under **Agile Methodology** throughout the project, performed decisive role in developing and planning as well as coordinating with assigned sprints.
* Designed Data Warehouse and analyzed various approaches for maintaining different dimensions and facts.
* Designed **ETL packages** with different data sources SQL Server, Flat files, Excel source files, Oracle and loaded the data into target tables by performing different kinds of transformations using SSIS.
* Migrated data from on-premises data servers onto Microsoft Azure cloud platform utilizing **Azure data factory**.
* Backed-up enterprise databases to Azure storage in block BLOBs and back up files in Azure environment.
* Retrofitting complex data to load different kinds of data from different sources including staging phase.
* Migrated users from AD Domain Services to **Azure AD** using Microsoft **Azure Active Directory Connect**
* Designed and implemented cloud architecture with Hybrid SSO with Multi-Factor Authentication, leveraging on **Azure AD, Azure SQL**, Project Online, Sharepoint Online, Market Logic Online and Power BI Online.
* Designed, developed and implemented a C# CSOM Visual Studio 2017 migration tool to automate projects creation and migrated projects and data from Plan View and Excel to **Azure SQL** and Project Online.
* Used recently introduced **Power BI** to create self-service BI capabilities and use tabular models.
* Responsible for building reports in **Power BI**from the Scratch. .
* Used T-SQL to create tables, views, **user-defined functions**, CTEs, Index for implementing application functionality at the database side for performance improvement.
* Created new database objects like **Stored Procedures, Functions, Packages**, Triggers, Indexes and Views using T-SQL in Development and Production environment for SQL Server. .
* Experience in Microsoft Visual C# in **script task** and **script component** of SSIS.
* Design and implement asynchronous processes for delivery of XML files. These processes were connected using **Azure Queues** to communicates each other.
* Schedule and maintain SSIS packages **daily, weekly and monthly** using Task Scheduler.
* Built **Multidimensional Expressions** (MDX) queries for Analysis Services & Reporting Services.
* Generated **T-SQL code** for creating cursor and handling the data validations.
* Created Source Target mappings for migrating on-Premise DataMart to **Sql Azure**.
* Responsible for creating and changing the visualizations in **Power BI** reports and Dashboards on client requests
* Created **VB.Net** Script for Data Flow and Error Handling using Script component in **MSBI (SSIS).**
* Performing **UAT** testing, **QA** and **DEV** testing for data validation and to performance of SSRS reports.
* Defined report layouts including report parameters and wrote queries for drill down reports using SSRS.
* Generated weekly and monthly reports for the financial advisors in wealth management team.

**ENVIRONMENT**: Microsoft (BIDS),SSIS, SSRS, T-SQL, Power BI, SQL Server 2008/2012/2016 Enterprise Edition, MS Azure services, XML, Data Factory, Informatica Power center 9.6/10, SQL SERVER Data Tools 2010,Teradata, Visual Studio, MS Access,C#,VB.net, SQL Query Analyzer, JIRA, GIT.

**COX, Atlanta, Georgia 10/2015 – 02/2017**

**MSBI / Informatica / SQL Developer**

**Responsibilities:**

* Design, Plan and create **Azure virtual machines**, Implement and manage virtual networking within **Azure and connect** to on-premises environments.
* Experience in Full **Software Development Life Cycle (SDLC)** including Analysis, Design and Review of Business and Software Requirement Specifications; Development, Testing as per **agile software** development methodology.
* Designing various types of complex reports like tabular, Cross tab reports, **bar graphs and pie charts** based on the client requirement document.
* Worked with the application developers and provide necessary **SQL** Scripts using **T-SQL**
* Troubleshooting the issues in the reports as well as in **T-SQL** queries in the production server.
* Involved in SSAS Cubes design by creating measure groups, facts, dimensions, aggregations from huge dataset using **SQL Server Analysis Services** (SSAS).
* Used of **Informatica** Cloud connected to variety of cloud on-premises, mobile and social data sources.
* Extract, Transform and Loading of fixed delimited files to AWS Redshift Tables using **Informatica**.
* Extensively used Change data capture (CDC) concept in **Informatica** as well as in the Oracle Database to capture the changes to the DataMart. Change data capture enabled us to reduce the time taken to load the data into the data mart by allowing only the changed data.
* Developed processes on both **Teradata** and Oracle using shell scripting and RDBMS utilities such as Multi Load, Fast Load, Fast Export, BTEQ (**Teradata**) and SQL\*Plus, SQL\*Loader (Oracle).
* Successfully tested all task in staging and stored all versions of data using **team foundation server** (TFS).
* Expert level skills in Objects creation such as Table, Indexes, Stored Procedures and other **SQL** joins and query writing. Expert in creating various kinds of reports and using report builder when required.
* Worked with both live and import data in to **Power BI** for creating reports.
* Managed relationship between tables in **Power BI** using star schema.
* Configuring and managed data source views, cubes, dimensions, roles and hierarchies in SSAS.
* Extracting Data from various sources like Sql Server and Flat files and loading into **CRM** Database
* Developed SSIS packages using SQL Azure database and connect them to **Power BI**.
* Involved in trouble shooting of **T-SQL** queries, SSRS reports and SSAS Cubes.
* Involved in using advanced Excel like Power View, Power BI, Power Pivot and Excel Data Connection for providing **ad-hoc reporting** for the clients.
* Created Multiple SSRS Reports and deployed them to the**CRM** Application.
* Implemented advanced calculations using MS **Power BI** Desktop like Aggregate, Date, Logical, String.
* Involved in making technical design documents and giving presentations to the team.

**ENVIRONMENT**: Microsoft (BIDS), Microsoft CRM Dynamics, SSRS, SSAS, T-SQL, Power BI, Sql Server 2008/2012/2016 Enterprise Edition, Azure services, XML, Informatica, Teradata, SQL SERVER Data Tools 2010, Visual Studio, MS Access,C#,VB.net. SQL Query Analyzer, JIRA.

**A to Z Databases - Omaha, NE 08/2014 to 09/2015**

**Senior SQL/ MSBI Developer**

**Responsibilities:**

* Involved in requirement gathering and providing solutions at different levels.
* Experience in writing **SQL Queries** for pulling large volume of records from databases using stored procedures, and Extraction Transformation and Loading **(ETL)** process using **SSIS**.
* Performed several **transformations** and **data cleansing** on data including **fuzzy lookup**, slowly changing dimension (SCD), union all, merge join and check points/break points.
* Used different type of slicers available in **Power BI**for creating reports.
* Configured and maintained multiple **JIRA**instances on multiple servers for different uses and worked with departments in training on how to search and create tickets in **JIRA.**
* Expert in Data Visualization and Data Analysis, Mobile dashboard creation and implementation using **Power BI**.
* Experience in working with **SSIS Packages** for applying various business rules, using various control flow tasks, dataflow components and event handling techniques.
* Creating SSIS packages and jobs to structure the whole process flow of data migration, content migration.
* Involved in **Debugging** reports on the production and UAT servers by modifying the **RDL** files using XML.
* Developed complex **Stored Procedures** and Views to generate various reports using **Excel** and **SSRS**.
* Understanding the OLAP processing for changing and maintaining the **azure Data Warehouse**, Optimizing Dimensions and adding new Aggregations to the Cube.
* Created Jobs, **Alerts, Activity logs**, Error logs to capture any possible errors using **SQL server Agent**.
* Experience in maintenance and Administration of SSIS by creating **Jobs, Alerts, SQL Mail Agent**, and schedule DTS/SSIS Packages.
* Strong communication & Management skills with Excellent **Role playing** capabilities.
* Responsible for creating and maintaining the **documentation** for implementation and for future changes.
* Applied conditional formatting in **SSRS** to highlight key areas in the report data.

**Environment:** MS-SQL Server 2008R2/2010/2012/2016 Enterprise Manager, Oracle, TOAD, Power BI, MS Business intelligence[SSIS, SSRS, SSAS], Informatica, Teradata, XML, MS Excel, Microsoft Azure, Cognos, VB.Net, ODS, C#.Net, MS Visio, Microsoft CRM dynamics, SQL CMD Utility, JIRA.

**Provident Bank, Iselin, NJ 05/2013-07/2014**

**BI/SQL Developer**

**Responsibilities:**

* Interacted with **Technical team** and Business users to perform analysis of business requirements and transformed them into technical requirements for **ETL** and Reporting needs.
* Implementing **RDBMS** concepts and good understanding of database schemas.
* Involved in improvement of optimized **query performance** by creating Indexes.
* Involved in Analyzing, designing, building and testing of **OLAP cubes** with SSAS 2008 and in adding calculations using Multidimensional Expression (MDX).
* Created **SSIS** Reusable Packages to extract data from Multi formatted **Flat files**, Excel, XML files into UL Database and DB2 Billing Systems.
* Experience in loading **XML** data into SQL Server database for performing data operations.
* Experience in **Handling Transactional systems** for performing various automated processes.
* Experience in working on different kinds of reports **Parameterized Reports, Linked Reports** and Drill-through reports.
* Performed **SQL admin** duties using **SQL Server Agent** for data backup, creating different roles on users and created jobs.
* Deploying and scheduling Reports using **SSRS** to generate all daily, weekly, monthly and quarterly Reports including current status.
* Responsible for **unit testing** and creating design documents and uploading it to share point server.
* Experience in configuring and deploying **SSRS reports** onto Microsoft Office **SharePoint Server**.

**Environment:** MS-SQL Server 2012/2008 R2/2008 Enterprise Manager, MS Business intelligence [SSIS, SSRS, SSAS], MS Visual Studio 2010\2008, cognos,c#, SharePoint Server 2010, MS Visio 2010, MS-Office 2010, XML, Windows Server 2008, TFS 2010.

**Constar Financial Services, AZ 01/2012-05/2013**

**BI/SQL Developer**

**Responsibilities:**

* Gathered business requirements from sales team and business analyst team, and worked in connection with the enterprise data warehouse architecture on the development of logical data models.
* Installed and Configured **SQL server 2012** on Development and production server.
* Tuned complex SQL queries and Stored Procedures to increase performance and worked on Exception handling with **Try/Catch**.
* Designed and deployed various ETL packages to migrate the data coming from SQL Server and to synchronize daily transaction data by using SSIS.
* Incrementally and dynamically transformed data by using SSIS (**Conditional Split, Data Conversion, Loop up, Derived Column, Merge, Union all, Merge join, Slowly Changing Dimension).**
* Generated reports from SQL Server Databases and OLAP data warehousing.
* Developed Matrix reports, Parameterized reports, Drill-through reports, and Drill-down reports as per business requirements by using SSRS and deployed them into the **web portal**.
* Created visualization reports like Dashboard, Pie Chart, Bar Chart, Line Chart, and Graph to show the customer feedback on the services using Tableau.

**Environment:** MS SQL Server 2010/2012, SQL Server Integration Services (SSIS) 2012, SQL Server Reporting Services (SSRS) 2012, SQL Profiler, Tableau 8.0, Cognos, MS Office, Windows 8/7, TFS.

**McLen, Coimbatore. 01/2011 -01 /2012**

**BI/ SQL Developer**

**Responsibilities**:

* Experience in **Software Development Life Cycle** (SDLC) including requirements gathering, writing technical specifications, Production support and Maintenance Activities.
* Involved in gathering **business requirements** and provided documentation to plan, define and design data.
* Implemented **slowly changing dimension** transformation to maintain the historical data in data warehouse.
* Created packages with different control flow options and **data flow transformations** such as Conditional Split, Derived Column, Look up, Data Conversion, Merge, Merge Join.
* Created effective **User Defined Function**, Stored Procedure, Triggers, Transactions to facilitate data consistency and efficient data manipulation.
* Developed dynamic SQL queries for reports on Enterprise Data Warehouse (OLAP) and Operational database **(OLTP).**
* Created user defined financial reports to provide on demand financial data analysis.
* Performed complex expressions to group data, filter and **parameterize reports** deploy into servers.
* Trained End users to browse cube data using **Microsoft Excel 2013/2010**, PowerPivot and SSRS.

**Environment:** MS SQL Server [2008/2010/2012] SQL Server Integration Services (SSIS) 2010, SQL Server Reporting Services (SSRS) 2010, SQL Profiler, Database Engine Tuning Advisor, Tableau 7.0, MS Office, Windows 7, and SharePoint 2010.

**Platinus Technologies, Hyderabad 07/2009 - 01/2011**

**MS SQL Developer/BI Developer**

**Responsibilities:**

* Worked under **Agile Methodology** throughout the project, performed decisive role in developing and planning as well as coordinating with assigned sprints.
* Designed Data Warehouse and analyzed various approaches for maintaining different dimensions and facts
* Designed **ETL packages** with different data sources SQL Server, Flat files, Excel source files, Oracle and loaded the data into target tables by performing different kinds of transformations using SSIS.
* Retrofitting complex data to load different kinds of data from different sources including **staging phase**.
* Used T-SQL to create tables, views, **user-defined functions**, CTEs, Index for implementing application functionality at the database side for performance improvement.
* Modified T-SQL **Stored Procedure**, **Triggers** for validating the integrity.
* Built **Multidimensional Expressions** (MDX) queries for Analysis Services & Reporting Services.
* Defined report layouts including report parameters and wrote queries for drill down reports using SSRS.

**Environment:** MS SQL Server [2008/R2/2012/] SQL Server Management Studio(SSMS), MS SQL Server Integration Services(SSIS) 2010, MS SQL Server reporting Services(SSRS) 2010, T-SQL,MS Excel, MS Office, Windows 7, TFS.

**EDUCATION QUALIFICATIONS:**

Bachelor of Technology in Information Technology from JNTU