**Pankaj Vasant**

Sr. MS SQL Server/SSIS/ SSRS Developer

**Professional Summary:**

* A strong IT experience in Microsoft SQL Server in administration, Coding, testing, development, Logical, physical design, Data Analysis, Performance tuning, production environment and Support and maintenance of business application as an **MS SQL Developer**.
* Strong experience in MS SQL Server 2017/2016/2014/2012/2008r2/2008 suite of products including **SSIS, SSRS and SSAS.**
* Experience in Software Development Life Cycle, **RDBMS**, and **Data Warehouse** & **Data Modeling** concepts.
* Strong experience in creating **T-SQL** objects, working with **DDL/DML**, performs most of the SQL Server Enterprise Manager and Management studio functionality using SQL Scripts and Batches.
* Experience in **Data Warehousing methodologies and concepts**, including **star schemas, snowflakes** **schemas**,**Physical/Logical Data Model**, ETL/SSIS processes, Data governance, dimensional modeling and reporting tools.
* Proficient in using T-SQL for developing complex **Stored Procedures, Triggers, Tables, Views, User Functions, User profiles, Relational Database Models and Data Integrity, SQL joins, Derived table, Cursors, CTE and Query Writing for Data Analysis**.
* Creating **Indexes**, **Indexed Views** in observing Business Rules and creating effective Functions and appropriate Triggers to assist efficient data manipulation and data consistency.
* Highly experienced in **Performance Tuning, Handling Indexes, and Query Optimization**.
* Involved in developing complex database object like Store Procedure, Functions, and Triggers using PL/SQL.
* Experienced in creating, configuring and scheduling the Dynamic **SSIS** **packages**.
* Extensive working experience of (ETL) in usage of SSIS Control flow elements, Data flow element and multiple transformations provided by SSIS such as **Data Conversion, Conditional Split, Lookup, Merge Join, Slowly changing Dimension, Derived Column.**
* Expertise in Extraction, Transforming and Loading (ETL) data using SSIS creating mappings/workflows to extract data from SQL Server,DB2, Excel file, other databases and Flat File sources and load into various Business Entities.
* Experience in providing **Error handling by using event handler, Logging, Checkpoint, Variable and expression, Package deployment** in SSIS.
* Experience in creating and deploying SSRS report on the portal for user.
* Expert in designing complex reports like reports using **Cascading parameters, Drill down Reports, Drill-Through Reports, Parameterized Reports, Dashboard Report** and Report Models and **ad hoc reports** using SQL Server Reporting Services (SSRS) based on client requirement.
* Coordinating and tracking all projects for seamless releases using Project Management System **JIRA.**
* Experience in creating **Jobs, Alerts, SQL Mail Agent**, **Database Mail** and Scheduled DTS and SSIS Packages.
* Experience in creating and scheduling of T-SQL jobs to run daily.
* Good knowledge on Cloud Computing like Azure.
* Team oriented individual with a results driven attitude, strong interpersonal and Communication skills in effective information exchange and interaction with clients at all Levels of management.
* Excellent communication and inter-personal skills, accustomed to work in a team Environment with tight schedules and capable of working efficiently under pressure.

**Technical Skills:**

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| **Database**: | MS SQL Server 2017/2016/2014/2012/2008r2/2008, Oracle 11g Express, My SQL 6.0, T-SQL. |
| **Programming Language:** | My SQL, ASP.Net, C#.Net, PL/SQL, Oracle, Azure. |
| **Database Tools:** | SQL Server Management Studio, Visual Studio. |
| **Design Tools:** | MS Visio, Erwin 9.0/7.1, ER Studio. |
| **BI Tools:** | SSRS, SSIS, SSAS, Power BI**.** |
| **Platform & Frameworks:** | Windows 10/7, Windows Server 2003/2008/2012R2, DOS, etc. |
| **Other:** | Microsoft Project, Microsoft Office Suite, JIRA, TFS, SharePoint, MS Access. |
| **Data Warehousing:** | OLAP, OLTP, Star/Snowflake Schema, Fact and Dimension Table. |

**Professional Summary:**

**Client: State of Iowa March 2019 – Present**

**Role: Sr. MS SQL Server/SSIS/ SSRS Developer**

The goal is employment for job candidates that meets the needs and interests of job candidates as well as the needs of business partners. IVRS is a part of the state-federal vocational rehabilitation system. Each state receives funding to operate a vocational rehabilitation program. I was responsible creating and maintaining SQL objects, SSRS reports and SSIS packages. Also solely responsible for managing all activities from development to production.

**Responsibilities:**

* Analyze the Business Requirement Document (BRD) to design a conceptual model to be implemented with T-SQL, SSRS and SSIS to develop a solution.
* Involved in writing complex T-SQL programming to implement Stored Procedures, Common table expressions and Functions for different tasks.
* Design, review, and create primary objects (views, indexes, tables etc.) based on logical design models, user requirements and physical constraints for data analysis.
* Work with business analyst, project manager and other functional units to identify business needs and discuss solution best suited for the problem statement.
* Worked with integration services(SSIS) for transferring and reviewing data from heterogeneous sources like (Excel, CSV, SQL Server, flat file).
* Created and maintained SSIS packages to validate, extract, transform and load data to a centralized SQL server using OLEDB providers from the existing diversified data sources.
* Created SSIS package to load data from staging environment to data warehouse using Lookup, Fuzzy Lookup, Derived Columns, Condition Split, and Slowly Changing Dimension.
* Involve in developing, debugging and testing of reports in SQL Server Reporting Services (SSRS).
* Discover and correct critical bugs in the data migration process that led to in-correct data being reported to clients and government reporting using SSRS.
* Develop Parameterized reports, Drill down, Drill through, Sub report, Linked reports with thorough knowledge of report serving architecture. (Table, chart and matrix report).
* Create complex SSRS report using multiple data providers, global Variables, Expressions, user defined objects, charts and synchronized queries.
* Identify and work with parameters using complex expressions for parameterized reports in SSRS.
* Develop complex Stored Procedures, Triggers, and SQL scripts for performing automation tasks.
* Responsible for deploying T-SQL objects as well as reports to development, Staging and production environment.
* Developed and optimized SQL database structures, Stored Procedures, Indexes, Views, and User Defined Functions (UDF), Common Table Expression (CTEs) to support Power BI and SSRS report.

**Environment:**

MS SQL Server 2014, T-SQL, SSRS, SSIS, SSAS, Visual Studio 2015, Windows Server 2012, JIRA, TFS, C#, Windows 10.

**Client: Harper College April 2018 – Feb 2019**

**Role: Sr. MS SQL Server/SSIS/SSRS/Data Warehouse Developer**

Harper college gain skills, advance your career, and begin your bachelor degree. Harper is a top college in Illinois and career training school. In Harper, I was responsible for creating and maintaining T-SQL objects and also responsible for creating and maintaining SSRS reports, ETL process, and production support.

**Responsibilities:**

* Modified Store Procedure and formulated basic coding and scripting to be utilized for reports.
* Used Joins and Sub-queries for complex queries that involved multiple table from different databases and also identified relationship among them.
* Analyzed data models, data relationships, and dependencies for greatest optimization.
* Provided tech team support for data warehouse.
* Identified issue and developed a procedure for correcting the problem which resulted in the improved quality of critical tables by eliminating the possibility of entering duplicate data in a Data Warehouse.
* Responsible for data cleansing operation for data warehouse in staging environment and identified issue and fix them before entering data in a Data Warehouse.
* Modified the existing SSIS package to meet the changes in user's’ requirements.
* Used SSIS to create ETL packages to Validate, Extract, Transform and Load data to Data Warehouse and Data Mart Databases.
* Created various SSIS packages and ETL processes based on the business requirement.
* Responsible for extracting data from various source system like Excel, CSV file, Flat File, SQL server, Banner based on the requirement.
* Created SSIS package to load data from staging environment to data warehouse using Lookup, Fuzzy Lookup, Derived Columns, Condition Split, and Slowly Changing Dimension.
* Scheduled Jobs for executing the stored SSIS packages which were developed to update the Database on Daily basis using SQL Server Agent.
* Modified the existing SSIS package to meet the changes in user's’ requirements.
* Created and maintained various SSRS report for the business users.
* Developed and delivered dynamic reporting solutions using MS SQL Server 2015 Reporting Services (SSRS).
* Created various kind of SSRS reports such as parameterized report, sub report, Drill Down report, and Drill Through report for the business users.
* Designed and developed stored procedures that accept parameters, queries, views, User-defined function, and CTE’s necessary to support SSRS reports.
* Created subscription in SSRS to deliver reports to a PDF or excel format.
* Create team specific agile process flow in JIRA to move tasks from one activity to another.

**Environment**:

MS SQL Server 2014/17, T-SQL, SSRS, SSIS, SSAS, Windows server 2012R2, Visual Studio 2015, JIRA, C#, SQL Azure, Windows 10.

**Client: Penn National Insurance Jan 2017- March 2018**

**Role: MS SQL Server/SSIS/SSRS/Data Warehouse Developer**

Penn National Insurance is an insurance company which sells property-casualty insurance such as business insurance, personal auto, homeowners, etc. In Penn National Insurance I was responsible for architect ETL process to provide feeds to downstream system, design and maintain ETL Process, Reports, Production support and Performance Tuning.

**Responsibilities:**

* Worked with Software Development Life Cycle, RDBMS, and Data Warehouse & Data Modeling concepts.
* Created Indexed Views, complex Stored Procedures, effective functions, and appropriate Triggers to facilitate efficient data manipulation and data consistency.
* Worked with various tools like Index Tuning Wizard, database engine tuning advisor, SQL Profiler, and Windows Performance Monitor for Monitoring and Tuning Server Performance.
* Created various SQL objects such as schema, tables, field definitions and mappings/Workflows, stored procedures, CTE, Triggers, views and indexes/keys for data analysis.
* Created reports which retrieve data using Stored Procedures that accept parameters.
* Developed and optimized database structures, Stored Procedures, Indexes, Views, Triggers (DDL & DML), Cursors and User Defined Functions (UDF).
* Created various SSRS reports like drill down, sub reports, parameterized, multi-valued and various adhoc reports through Report model creation.
* Created complex SSRS reports using multiple data providers, Global Variables, Expressions, user defined Objects, aggregate aware objects, charts, and synchronized queries.
* Developed ETL programs using to implement the business requirements.
* Created SSIS packages to load data from the OLTP system to a Data mart for analyzing data.
* Involved in performing incremental loads while transferring data from OLTP to data warehouse using different data flow and control flow tasks in SSIS.
* Responsible for implementation of data viewers, SSIS Logging, error configurations for error handling the packages.
* Built the email QC system to analyze the accuracy of the data warehouse ETL process, data governance and generate the email to all the team members.
* **Designed and developed Data Marts by following Star Schema and Snowflake Schema Methodology.**
* Built the automated ETL system for the Group Practice data mapping/Workflows by utilizing the Lookup, slow changing dimension and developed C#/ VB.NET in script task and script component in SSIS.
* Performed transformations like Conditional Split, Sorting and included data about the environment using the Audit Transformation.
* Provided assistance for optimization and performance tuning of DB2 SQL and stored procedures.
* Knowledge in Developing, testing, debugging and documenting Oracle PL/SQL packages and types in accordance with company policies, company standards and industry best practices.

**Environment**:

MS SQL Server 2014/16, T-SQL, SSRS, SSIS, SSAS, Windows server 2008, Visual Studio 2013, C#/VB.NET, Windows 10.

**Client: Horizon Blue Cross Blue Shield of New Jersey Feb 2016 – Dec 2016**

**Role: MS SQL Server/SSIS/SSRS Developer**

Horizon Blue Cross Blue Shield of New Jersey offers affordable New Jersey healthcare and health insurance for individual’s families and employers. In Horizon NJ health I was responsible for creating and automating provider reports to show the network. I also created dashboards to show provider terminations and additions to the network.

**Responsibilities:**

* Developed User Defined Functions, store procedure. Responsible for error handling in stored procedure, indexes to generate the distinct data based on the type of the customer base, wrote T-SQL queries.
* Designed and developed Logical Data Flow by applying complex transforms as per business rules for loading the extracted data into Enterprise Data warehouse.
* Worked with the QA and Production Team for setting the Configurations for the SSIS packages for Test and Production Deployment.
* Designed SSIS Packages in SQL Server 2012 to handle data migration (ETL Processes) from transaction System to Dimensional Model.
* Responsible for implementation of data viewers, SSIS Logging, error configurations for error handling the packages.
* Developed various Error Handling Strategies for the successful run of the build packages.
* In-depth Knowledge in Relational and Dimensional Data modeling for creating Logical and Physical Design of Database and ER Diagrams using multiple data modeling tools like ERWIN 9.0.
* Created dynamic reports using SSRS, generated report models using report builder for the end users.
* Created various SSRS report like Dashboard report, Parameterized report, Linked report, Sub report, Drill through report for business user.
* Created subscription in SSRS to deliver reports to a shared file.
* Deployed reports, created report schedules. Managing and securing reports using SSRS.

**Environment**:

MS SQL Server 2012, SSIS, SSRS, T-SQL, Microsoft Visual studio 2012, Windows server 2008, Windows7, SharePoint, MS Office 2010, ASP.NET 3.5, C#.

**Client: First Republic Bank April 2015 – Jan 2016**

**Role: MS SQL Server /SSIS/SSRS Developer**

First Republic and its subsidiaries offer private banking, business banking and private wealth management, including investment, trust and brokerage services. At First Republic Bank I was working on creating a data mart for reporting purpose and also doing ETL to load data in to the data mart. I was responsible for creating ETL packages to pull data from different data sources and loading it in to data mart.

**Responsibilities:**

* Created databases and schema objects including tables, indexes and applied constraints, connected various applications to the database and written functions, stored procedures.
* Wrote data retention process for reporting database to keep 60 days report history.
* Used Joins, correlated and non-correlated sub-queries for complex business queries involving multiple tables & calculations from different databases.
* Designed ETL packages to load data from multiple sources.
* Created SSIS Packages for feed process to generate underlying data for the reports and to export cleaned data from Excel Spreadsheets, Text file, MS Access and CSV files to data warehouse.
* Created complex queries to automate data profiling process needed to define the structure of the pre staging and staging area.
* Used SSRS to generate reports by passing parameters through URL Developed reports.
* Created interactive reports with SSRS, using the report parameters, query parameters, Filters and Expressions.
* Created SSIS Packages to perform filtering operations and to import the data on daily basis from the OLTP system to SQL server.
* Created staging, processing and QA environment on the server, and managed the daily job for the data processing across these environments
* Work closely with Business Management to prioritize business and information needs.
* Optimized the entire reporting system performance by tuning the procedure queries and build indexes in the Reporting system.

**Environment**:

MS SQL Server 2008R2, SSIS, SSRS, SSAS, T-SQL, Visual Studio 2008, MS Office 2007,C#/VB.NET, Windows 7.

**Client: TD Bank Sep 2012 – Nov 2014**

**Role: MS SQL Server /SSIS/SSRS Developer**

TD bank America’s most convenient bank, provides full banking, lending & investment services to people & businesses. TD Bank and its subsidiaries offer customized private banking and wealth management services I was responsible for improving performance of T-SQL queries, extract huge volume of data from different sources and load into staging database after that I have created SSIS package, Create daily summery report using SSRS.

**Responsibilities:**

* Successfully Installed and configured MS SQL Server 2008r2 on the production server.
* Optimized the performance of queries with modification in T-SQL queries, removed unnecessary columns, eliminated redundant and inconsistent data, normalized tables, established joins and created indexes wherever necessary.
* Designed system including tables, Stored Procedures, Indexes, UDF and triggers.
* Implemented SSIS (ETL) to extract and transform data from DB2, Oracle, RDBMS and Flat files/CSV, SQL Server 2008 instances and to load into staging and then to DW 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, lookup and merge join and derived column.
* Involved in maintaining PL/SQL scripts and stored procedures.
* Improved performance and stability of database systems.
* Generated Complex reports like reports using Cascading parameters, Snapshot reports Drill- down Reports, Drill-Through Reports, Parameterized Reports and Report Models and ad hoc reports using SQL Server Reporting Services (SSRS) also based on Business Requirement Document Designed and created Report templates, bar graphs and pie charts based on the financial data.
* Developed and rendered monthly, weekly and Daily reports as per the requirement and gave roles, user access with respect to security in report manager.
* Evaluated database performance and performed maintenance duties such as Tuning, Backup.

**Environment:**

Microsoft SQL Server 2008r2, SSIS, SSRS, Microsoft Visual studio 2008, Windows server 2008, PL/SQL Windows 7.

**Client: Yippee Technology Pvt Ltd Dec 2011 – Aug 2012**

**Role: MS SQL Developer**

Yippee Technology is an IT company providing business solutions to their customers. Yippee Technology is also providing technical support to their clients to troubleshoot technical problems. I was responsible for maintaining customer data in SQL database and also loading customer files in to database tables using SSIS and creating SSRS reports on that data to show company’s performance on monthly and yearly basis.

**Responsibilities:**

* Designed and analyzed the SQL Server database and involved in gathering the user requirements.
* Logical and Physical design of database for project on basis of user requirements.
* Created new tables, stored procedures for Application Developers and some user defined functions.
* Performed data conversions from flat files into a normalized database structure.
* Created Triggers to enforce data and referential integrity.
* Defined Check constraints, Business Rules, Indexes, and Views.
* Extracted the data from Flat Files and Excel transformed (Implemented required Business Logic) and Loaded into the target Data warehouse.
* Scheduled SQL Server Agent Jobs to run every day to update changes in the base tables
* Used complex query statements like sub queries, correlated queries, derived tables, CASE functions to insert the data depending on the criteria into the tables of hub.
* Modified the existing database by adding the tables and maintained relationships between the tables.
* Designed and created distributed reports in multiple formats such as Excel, PDF, XML, HTML, .doc and CSV using SQL Server Reporting Services.
* Created report subscription using data driven subscriptions and setting up automatic delivery of user.

**Environment**:

MS SQL Server 2008, Microsoft Visual studio 2008, Windows 2007, Erwin v7.0, Crystal Report.

**Educational Qualification:**

Master in Computer Science, USA.

Bachelor of Computer Engineering, India.