**Sandip Patel**

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**Professional Summary:**

* Over 8.5 years of IT experience as a MS SQL Server Developer/ ETL Developer in analysis, design, implementation & administration of Business intelligence solutions (SSIS/SSRS/SSAS) with Microsoft SQL server 2012/2008-R2/2008/2005 in development, testing & production environment.
* Conversant with all phases of Software Development Life Cycle (SDLC) involving Systems Analysis, Requirement Gathering and Analysis, High Level Design, Detailed Design, Development and Implementation Support.
* Excellent experience to deliver comprehensive Business Intelligence through integration of BI suite of products (SSIS, SSAS, SSRS) including MS solutions like Microsoft Excel.
* Well versed in Unit testing of SQL scripts and SSIS packages, developing testing scenario, sample test data, conduct testing and publish testing result set with supporting screen shot and valid identified defect list.
* Extensively used Erwin for Logical Data Modeling, Physical Data Modeling, Logical-to-Physical Transformation, Forward engineering, Reverse engineering, and Model-to-model comparison.
* Strong knowledge of Data Warehousing methodologies and concepts, including Star Schemas, Snowflake Schema, SSIS processes, Dimensional Modeling and Reporting tools.
* Highly proficient in using T-SQL for developing complex Stored Procedures, Effective Triggers, Tables, Views, User defined Functions, Relational Database Models and Data Integrity, SQL Joins, Indexing and Query Writing.
* Strong ability in Data warehousing tools, Data Mapping, Unit Testing, Migration, Conversions, and Process Documentation
* Proficient in Creating, Configuring, Deploying and Fine-tuning MS SQL Server Integration Service (SSIS) packages.
* Well versed in development, implementation, administration and support of ETL processes for large-scale Data Warehouses using SSIS including tools like BCP utility, DTS and SSIS 2005 / 2008 Packages with proper control flow and data flow elements by using MS SQL Server 2012/2008-R2/2008/2005.
* Expert in Developing SSIS Packages to Extract, Transform and Load (ETL) data into the Data warehouse from Heterogeneous databases such as Oracle, DB2, Sybase and MS Access.
* Extensively worked on SSIS, Data Cleansing, Data Scrubbing and Data Migration using various task such as conditional spilt, row count component, Execute package task, Email attachment task, script task, script component, data flow task, slowly changing dimension, all loop container.
* Strong working experience in implementing Key Performance Indicator (KPI) Objects and create calculate member in MOLAP cube using MDX in SSAS 2012/2008-R2/2008/2005.
* Proficient in dimensional data modeling and Cube development (SSAS), partition, aggregation and optimization using SSAS 2012/2008-R2/2008/2005.
* Expertise in Creating, Managing and Deploying SSRS Reports on the portal for user accessibility.
* Good experience in generating Sub-Reports, Drill down reports, Drill through reports and Parameterized reports using SSRS 2012/2008-R2/2008/2005.
* Implemented SSRS server level and item level security, subscription, performance tuning and access various reports in multi-user environment.
* Expert in SQL Server Administration skills including, Backups, Disaster Recovery, Database maintenance, User Authorizations, Database creation.
* Excellent communication skills, analytical skills, understand business requirements in various domains.
* Self learning ability, Leadership Quality, good team player and determination to learn new technologies and maintain positive relationships at all business levels.

**Education:**

Master of Science (Information Technology)

**Technical Skills:**

Microsoft SQL Server 2012/2008-R2/2008/2005, MS SQL Server Integration Services (SSIS), MS SQL Server Reporting Services (SSRS), MS SQL Server Analysis Services (SSAS), T-SQL, PL-SQL, OLAP, OLTP, Erwin Data Modeler v7.0/v4.x, Microsoft Visual Studio 2010/2008/2005, Crystal Reports, Presentation Point Server (PPS), HP Quick Test Professional, Microsoft Access, Microsoft Office(MS Word/ Excel/Power Point), MS Project, HTML, XML, Java, C++, C#, Visual Basic 6.0, Microsoft Office Visio, Windows 2008/2003/2000 Advanced Server, Windows NT/95/98/2000/XP/7, Ultra Edit Text Editor, Visual Safe Source 2005 (VSS) .

**Project Summary:**

**CVS Caremark, Somerset, NJ**

**September 2013 - Present**

**MS SQL Server/SSIS Developer**

CVS Caremark is reinventing pharmacy to provide caring expert guidance, new cost effective solutions, and even more convenient access to care to their members. The Project mainly deal with Med Data Fulfillment reconciliation involving reconstruction of data with accuracy to apply business rules for capturing the client raw files in an automated way, converting them into DM46 format, eliminate the need for manual processing by applying standard edits and client based edits and dropping the file for Voluntary Disenrollment Extract (VDE) for manual processing to provide CVS with timeliness and accuracy metrics of their fulfillment process.

* Interacted with Project Manager, Technical Lead, involved in client meetings, status calls to understand business needs and the functionality of the project.
* Developed technical data flow diagram in MS Visio to walkthrough the steps involved to achieve project goal efficiently.
* Extensively used Joins and sub-Queries to simplify complex queries involving multiple tables and also optimized the procedures and triggers to be used in production
* Created **views** to to restrict access to data in a table for security and facilitate easy user interface implementation and **triggers** on them to facilitate consistent data entry into the database
* Created and modified business crucial **stored procedures** and **functions**to support efficient data storage and manipulation as per Business Requirement Document (BRD).
* **Created and rebuilding Tables and Indexes** on selective columns to speed up queries and analyses in SQL Server Management Studio **as part of Performance Tuning Exercise**
* Reduced the T-SQL overhead successfully by avoiding unnecessary use of The UNION, statement & using the TOP operator to limit the Select Statement in certain Queries.
* Identified slow running query and optimization of stored procedures and tested applications for performance, data integrity by generating SQL scripts using various functions of SQL server
* Check In and Check Out daily work on SQL scripts and SSIS packages into Microsoft Visual Safe Source 2005 to maintain safety, security of coding and version controlling as per CVS Caremark standards.
* Develop, modified and Integrated SSIS packages as per technical specification to load data into Data Warehouse using various SSIS task like Loop and For Each loop container, Execute package task, If File Processed task, Email Attachment task, Statistics logging component, Audit on Pre execute task, Audit on Post execute task, Row count component, Execute SQL Task, bulk insert task, data flow task, file system task, send mail task, active script task as per CVS standard requirement.
* Used various SSIS tasks such as Conditional Split, Derived Column, which were used for Data Scrubbing, data validation checks during Staging, before loading the data into the Data warehouse.
* Involved in performing data conversions from flat files into a normalized database structure.
* Developed SSIS Packages for cleaning and scrubbing of data using Lookup and Fuzzy Lookup transformations to validate the data.
* Implemented Event Handlers and Error Handling in SSIS packages and notified process results to various user communities.
* Configure SSIS Email attachment task for sending automated alerts/email with Alerts for successful or unsuccessful completion of SSIS packages with appropriate error message.
* Unit testing and Performance Tuning of all the report in order to reduce the execution time required for generating these reports and improving the overall speed of execution and performance of the reports.

       Responsible to develop exceptional scenario based unit test cases, create sample files to test scenario, conduct testing and publish unit test result set to modified SQL code and SSIS package as per BRD before migrate to QA environment.

* Resolved defects identified by QA into coding and SSIS packages and retested within development environment with sample files and remigration of code to QA environment.
* Actively involved in update Tech Specs and code review document on daily basis into share point.

**Environment:**

MS SQL Server 2008 R2, MS SQL Server Integration Services, MS Visual Studio 2010, Microsoft Office Visio, Microsoft Safe Source 2005 (VSS), Erwin r8, Ultra Edit tool, SharePoint, C#.

**GE Corporate Treasury, Stamford, CT**

**April 2012 – August 2013**

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

GE Corporate Treasury manages billions of dollars – money that must be collected from customers and paid to vendors around the globe, in over a dozen foreign currencies. The project was to create ETL processes to populate summary data structures and development of stored procedure queries to investigate data issues and to create new SSIS packages and generate various reports structures for business units.

**Responsibilities:**

* Worked with business stakeholders, application developers, production teams and across functional units to identify business needs and discuss solution options.
* Developed logical and physical data models, design data access strategies and wrote SQL code to access and manipulate data stored in relational databases.
* Designed and developed physical and logical Data Models using Erwin and also responsible for Forward Engineering in Data Modeling.
* Generated Database Objects like Stored Procedures, Triggers, Functions, Indexes, Views and Constraints by using T-SQL environment to create complex scripts and batches.
* Created and updated stored procedures and functions to meet the requirements and changes specified by the users.
* Pushed all the created store procedures and functions to the development, training and production servers.
* Created trace in SQL Profiler and used Database Engine Tuning Advisor (DTA) for Performance tuning on stored procedures and Scripts.
* Highly responsible for scheduling and delivery of jobs using SQL Server Agent. Performed T-SQL tuning by using Database Engine Tuning Advisor for long execution plans.
* Formulated and documented the physical ETL (SSIS) process design based on business requirements and system specifications with strong ETL (SSIS) design skills, including source to target mappings, transformations, lookups, aggregations, expressions.
* Agile methodology was used throughout the project, Performed pivotal role in planning and developing as well as aligning with the assigned sprints.
* Created packages in SSIS 2012 (.dtsx files) with error handling as well as created complex SSIS packages using various Data Transformations like Conditional Splitting, Fuzzy Look Up, For Each Loop, Multi Cast, Column Conversion, Fuzzy Grouping, Script Components.
* Responsible for implementation of Data Viewers, SSIS Logging, Error Configurations for error handling the packages.
* Extracted data using SSIS 2012 from Oracle and Flat Files. Based on required reports, identified various data sources and established the connections using SSIS and constructed data source view.
* Deployed and configured various SSIS packages.
* Worked with Tabular reports, Matrix reports, Gauges & Chart reports, Parameterized reports, Sub reports, Ad-hoc reports, Drill down reports as well as Interactive reports according to business requirements in time restricted environment using SQL server reporting services(SSRS) 2012.
* Designed and developed report with running value, interactive sorting as well as conditional formatting.
* Involved in scheduling, creating snapshot and subscription for the reports.
* Scheduled the reports to run on daily/weekly/monthly basis and email the results to the users in the required format.
* Created SSRS Report Model Projects in BI studio and created, modified and managed various report models with multiple model objects, source fields and expressions.

**Environment:**

MS SQL Server 2012, MS SQL Server Integration Services, MS SQL Server Reporting Services, MS Visual Studio 2010, Oracle 10g, Erwin r8, C#.

**Cozen O’Connor, Philadelphia, PA**

**May 2011 – March 2012**

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

Cozen O’Connor has experience advising clients and execute complex real estate financings via senior debt, structured finance as well as advise clients on partnering, leasing, zoning, and restructuring. The project mainly dealt with creating SSIS packages, generate reports by extracting data from the OLTP system and checking the performance tuning of stored procedures, troubleshooting and maintenance.

**Responsibilities:**

* Developed physical and logical Data Models using Erwin.
* Designed high level ETL/SSIS architecture for overall data transfer from the OLTP to corporate Data warehouse and also prepared ETL/SSIS mapping processes and maintained the mapping documents.
* Worked on existing OLTP system and created facts, dimensions, data models, star schema representation for the data mart of OLTP and Data warehouse databases.
* Expert in extracting, transforming and loading data using SSIS Import/Export Wizard.
* Created SSIS Packages to integrate data coming from Oracle database, Text files and Excel files.
* Developed, deployed and monitored various SSIS Packages.
* Implemented various tasks and transformations for data cleansing and performance tuning of packages by using SSIS.
* Responsible for implementation of data viewers, SSIS Logging, error configurations for error handling the packages.
* Created local variables and global variables package configurations and error handling.
* Generated parameterized reports and ad-hoc reports using Report builder for the brokers and clients.
* Responsible for designing, creating and deploying the reports into the production server.
* Created complex store procedure to copy Database Objects from remote server to local machine and vice versa.
* Identified slow running query and optimization of stored procedures and tested applications for performance, data integrity using SQL Profiler.
* Generated Daily, Weekly, Monthly, Subscriptions, Dashboard reports for the analysis of managers and end users by using SSRS.
* Responsible for ongoing maintenance and change management to existing reports and optimize report performance (SSRS).
* Validated reports to ensure quality of data and conducted Meetings with business users to review reports and obtain continuous feedback.
* Created complex Stored Procedures, Triggers, Functions, Indexes, Tables, Views, SQL joins and other T-SQL code to implement business rules.
* Responsible for creating and implementation of data access stored procedures and triggers for automating tasks.
* Designed index, statistics and optimized queries by using execution plan for performance tuning of the corporate database.
* Optimized queries and did performance tuning using various MS SQL Server tools such as SQL Profiler, SQL Performance Monitor, execution Plan and Database Engine Tuning Advisor.
* Coordinated the activities of subordinates in the Corporate Data warehouse Team and organized weekly status Meetings.

**Environment:**

MS SQL Server 2008 R2, MS SQL Server Integration Services, MS SQL Server Reporting Services, MS Visual Studio 2008, Erwin r7

**U.S. Bancorp, Minneapolis, MN**

**June 2010 – April 2011**

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

U.S. Bancorp is an American diversified [financial services](http://services) holding company. It is the parent company of U.S. Bank, the fifth largest bank in the [United States](http://states). The project involved building a data repository to organize mortgage loan documents that are received from customers, submitted through various branches and different sales teams. Prior to the development of the system the data existed in various RDBMS and post development the system is made as single stop for various needs.

**Responsibilities:**

* Involved in complete Software Development Life Cycle (SDLC) process by analyzing business requirements and understanding the functional work flow of information from source systems to destination systems for mortgage loan products.
* Designed and developed SSIS Packages to import and export data from MS Excel, SQL Server 2005 and Flat files.
* Involved in complete SSIS life cycle in creating SSIS packages, building, deploying and executing the packages in both the environments (Development and Production).
* Used various Transformations such as For loop container, For Each loop container, Execute package task, FTP task, Bull Insert task, Script task In SSIS Control Flow and Row sampling, Fuzzy Lookup, Fuzzy Grouping in SSIS Dataflow.
* Involved in ETL architecture enhancements to increase the performance using query optimizer.
* Implemented Event Handlers and Error Handling in SSIS packages.
* Created SSIS packages for Data Conversion using data conversion transformation.
* Configured the loading of data into slowly changing dimensions using Slowly Changing Dimension wizard.
* Advanced extensible reporting skills using SQL Server 2008 Reporting Services (SSRS).
* Designed and created Report templates, bar graphs and pie charts based on the financial data regarding competitive rates and financial market.
* Developed various types of complex reports like Drill Down, Drill through, linked reports, cascading parameter reports for business loan, first time buyer or refinancing home mortgage.
* Involved in scheduling, creating snapshots and subscriptions for the reports using SSRS 2008.
* Involved in designing Parameterized Reports and Matrix Reports for generating Ad-Hoc reports as per the client requirements.
* Coordinated with front-end for implementing logic in stored procedures and functions.
* Experienced in writing complex SQL Queries, Stored Procedures, Triggers, Views, Joins, Constraints, DDL, DML and User Defined Functions to implement the business logic and also created clustered and non clustered indexes.
* Involved in Normalization and De-Normalization of existing tables for faster query retrieval.
* Involved in upgrading from SQL Server 2005 to SQL Server 2008.
* Advised optimization of queries by looking at Execution Plan for better tuning of the database.

**Environment:**

SQL Server 2008/2005 Enterprise Edition, SQL Server Data Tools, SQL Server Business Intelligence Development Studio (SSIS, SSRS),TSQL,C#, .Net framework, XML, MS Visual Source Safe, MS Visio 2007.

**Fidelity**

**Oct 2008 – May 2010**

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

Fidelity is one of the UK's largest investment fund managers with over 660,000 customers in the UK. The project mainly involved in creating new corporate database, performance tuning, creating, deploying and scheduling reports for mutual fund customers. Also it included Extract, Transfer and Loading (ETL) of data from flat file, excel sources using SSIS, create dimensions and cubes using SSAS, writing T-SQL, backups and create various operational, drill-through and dynamic reports for corporate management.

**Responsibilities:**

* Worked closely with Business Analyst, Team Leader, DBA and Technical Manager in order to gather requirements for design and implementation of database for their existing customers as well as new online customers.
* Used Joins, correlated and non correlated sub-queries for complex business queries involving multiple tables from different databases and implemented triggers and stored procedures and enforced business rules via checks and constraints.
* Created indexes on selective columns to speed up queries and analyses in SQL Server Management Studio.
* Reduced the T-SQL overhead successfully by avoiding unnecessary use of the union statement & using the TOP operator to limit the Select Statement in certain Queries.
* Created views to restrict access to data in a table for security.
* Designed SQL SSIS Packages to extract data from various data sources such as Access database, Excel spreadsheet, and flat files into SQL Server 2008 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.
* Generated a number of dimensions, cubes, using SQL Server Analysis Services (SSAS) representing aggregations in several different ways - hierarchically and using custom groupings that the company will use to analyze performance.
* Wrote MDX queries to access data from OLAP cubes.
* Involved in Report Design and Coding for Standard Tabular type reports, including Drill down and Drill through functionality and Graphical presentations such as Charts and Dashboard type matrix using SSRS.
* Used complex expressions to Calculate, Group, Filter, Parameterize, and Format the contents of the report.
* Created Cross-Tab and Sub-Report using RDL and promoted RDLs to Reporting Service Server.
* Scheduled the monthly/weekly/daily reports to run automatically.
* Worked on querying data and creating on-demand reports using Report Builder in SSRS reports and send the reports via email to the customers for their values of funds.
* Developed complex Stored Procedures and views to generate various Drill-through reports, parameterized reports and linked reports using SSRS.
* Scheduled and maintained nightly and weekly loads of data by creating the corresponding job tasks for their online customers.
* Enhanced performance using optimization techniques-normalization, indexing and Transaction Isolation levels, monitoring logs to ensure the completeness of batch processes and scripts.

**Environment**:

MS SQL Server 2008, SSRS, SSIS, SSAS, VB.Net, EXCEL, MS Access, ORACLE 10g, Erwin Data Modeler v7.0/v4.x.

**AXA Insurance**

**Nov 2006 – Sept 2008**

**MS SQL Server/ SSRS Developer**

AXA Insurance is one of the largest general insurers in the UK. It offers a broad range of commercial and personal insurance products distributed predominantly through brokers. The data warehouse was on MS SQL Server 2005. Because of the company’s growth and so growth of database, AXA Insurance increased requirements led them to move to MS SQL Server 2005 to SQL Server 2008 having some enhanced features. This project requires monitoring for billing services by creating reports and report model using SSRS according to business requirement.

**Responsibilities:**

* Analyzed business requirements and build logical and physical data models that describe all the data and relationships between the data using Erwin.
* Based on business requirement, developed the Complex SQL queries with Joins and T-SQL, Stored procedure, Views, Trigger to implementing the business rules and transformations.
* Generated reports using SQL Server Reporting Services 2005/2008 from OLTP and OLAP data sources.
* Involved in the Migration of Databases from SQL Server 2005 to SQL Server 2008.
* Involved in designing, developing and deploying reports in MS SQL Server environment using SSRS-2008 in Business Intelligence Development Studio (BIDS)
* Designed and deployed reports with Drill Down, Drill Through and Drop down menu option, Sub reports, Tabular reports, Parameterized and Linked reports according their range of insurance products.
* Prepared the Layouts by placing the fields to the appropriate place according to the requirement of the final Report.
* Designed and developed various types of reports using SSRS and rendered them in front end applications like Excel
* Created report models and deployed on report server.
* Created standard report Subscriptions and Data Driven report Subscriptions as per lead specification and used report manager for securities.
* Created snapshot reports and cache for better performance.
* Used Notification services to generate error messages and send them to the user through e-mails, pager messages as well as window messengers.
* Excellent technical and analytical skills with clear understanding of design goals of ER modeling for OLTP and dimension modeling for OLAP
* Designed and created distributed reports in multiple formats such as Excel, PDF, XML, HTML and CSV using SQL Server 2005 Reporting Services (SSRS) and Crystal reports.
* Deploying and scheduling Reports using SSRS to generate all daily, weekly, monthly and quarterly Reports including current status.

**Environment:**

SQL Server 2005/2008, MS Excel, MS Access, Enterprise Manager, Management Studio, SQL Profiler and SQL Server Reporting Services.

**Health Care Data Solutions**

**Nov 2005 – Oct 2006**

**Database Developer**

Health Care Data Solutions develops products that assess healthcare marketing industry issues with relevant solutions to today's problems. The project required creating, designing and modifying SSIS packages and reports.

**Responsibilities:**

* Setting up new MS SQL Server instances and databases.
* Going through the clients’ requirements and coming up with database design and application architecture.
* Designed, Implemented and Maintained Database Schema, Entity Relationship Diagram, Data Modeling, Tables, Stored Procedures, User Defined Functions and Triggers, Constraints, Indexes, Schemas, Views and complex SQL statements.
* Followed capacity planning of MS SQL Servers.
* Implemented and maintained corporate database security.
* Managing logins, roles, assigning rights and permissions.
* Troubleshoot and minimize production down issues.
* Have written several complex stored procedures, created views to implement security and Triggers as per the client requirements.
* Maintained table performance by following the tuning tips like normalization and creating Indexes.
* Designed new job process, new database maintenance plans and SSIS packages.
* Performance tuning of SQL queries and stored procedures using SQL Profiler and Database Engine Tuning Advisor in MS SQL server 2005.
* Created scheduled maintenances and backup procedures to the database as a disaster recovery method.
* Data conversions and data loads from various heterogeneous databases and file structures.
* Worked on Client/Server tools like SQL Server Enterprise Manager and Query Analyzer to administer SQL Server.
* Used SQL Server System Tables to retrieve metadata.
* Monitor failed and long running MS SQL Server jobs.
* Observe, tune, and analyze corporate database performance and allocate server resources to achieve optimum database performance.

**Environment:**

SQL Server 2005, Transact-SQL, SQL Server Management Studio, Query Analyzer, SQL Profiler, Database Engine Tuning Advisor, MS Access 2003, Erwin v3.1, , Windows XP, MS Office 2003.