

Puneet Rana
T-SQL/ETL/SSIS/SSRS Developer
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Work Authorization - Green Card

PROFESSIONAL SUMMARY

- Over **9+** years of IT experience with a strong background in **Data warehousing** projects development and **ETL & Reporting** experience using **T-SQL**, SQL Server **SSIS/SSRS** in various Industry verticals like, **Finance, Banking, Healthcare & Insurance, Retirement**.
- Conversant with all phases of Software Development Life Cycle (**SDLC**) involving Systems Analysis, Design, Development and Implementation.
- Financial **Investment** Experience in developing solutions for **AUM**(assets Under Management), involved in defining **Portfolio and Security** Master, building **Trading/Finance** reports based on different products (**Fixed Income, Equity, Structure, Alternatives** etc.)
- Experience in **Extraction, Transforming and Loading (ETL)** using **SSIS** creating mappings/workflows to extract data from **SQL Server, Oracle, Excel file, DB2, SharePoint lists** and **Flat File** sources and load into **Data Warehouse(DW)** and **Relation database(RDBMS)**.
- Expertise in **performance tuning** of slow running SQL and Data Flow Task in SSIS Packages.
- Proficient in creating dynamic packages for **Incremental Loads** and **Data Cleaning** in Data Warehouse using SSIS
- Expertise backend skills in creating SQL objects like **Tables**, complex **Stored Procedures, Views, Indexes**, effective **Functions** and appropriate **Triggers** to facilitate efficient data manipulation and **data consistency** using **T-SQL**.
- Experience in developing financial security classification system (Mac "**Multi Asset Class**": Equities, **Derivatives**, Fixed incomes) to run various holding reports.
- Expert in report writing using SQL Server **Reporting Services (SSRS)** and in creating various types of reports like **Drill Down, Drill Through** and **Parameterized**.
- Expertise in writing **T-SQL (DML & DDL)** Code, **Dynamic SQL, Query optimization & performance tuning**. Used **SQL Profiler**, Execution plan, **Performance Monitor** and **DBCC** commands.
- Experience in **Dimensional Modeling, Star Schema / Snowflake Schema, Fact** and **Dimensional** tables and Operational Data Store (ODS).
- Expertise in deploying **SSIS Package & SSRS Reports** on different **SIT/QA/Prod** environments.
- Excellent skill in Testing SSIS, SSRS, SSAS, T-SQL objects.
- Good Experience in writing **Deployment** Documents for **SIT/QA/Prod** environments, **Mapping Document**, Test Scenarios and **Release documents**.
- Flexible, enthusiastic and project oriented team player with excellent written, verbal communication and leadership skills to understand and develop creative solutions for challenging client needs.
- Maintained positive communications and working relationships at all business levels.

TECHNICAL SKILLS

MS SQL Server 2014/ 2012/ 2008R2/2008/2005/, MS SQL Server Integration Service (SSIS), MS SQL Reporting Services (SSRS), Visual Studio 2012/2010/2008/2005, C#, Team Foundation Server (TFS), Microsoft Access 2010/2007/2003/8.0, Microsoft Excel, VB.net, Outlook, MS SQL Profiler, SQL Query

Analyzer, MS SQL Server Index Tuning Wizard, Erwin Data Modeler 4.2/4.1/4.0, MS SharePoint Services 2007, T-SQL, MS Visio 2003, Windows Server 2008 R2/2003, Visual Source Safe, Star Team Control Version.

EDUCATION

- Bachelors of Electronics and Communications (N.C College Of Engineering, India).
- Masters of Science in electrical Engineering (New Jersey Institute of Technology, NJ).

PROFESSIONAL EXPERIENCE

Allied World Assurance Company (San Diego , CA)
Solution Developer (T-SQL/SSIS/ETL/SSRS)

Nov 2017- Present Sr.

Allied World is a provider Property and Casualty Insurance and reinsurance services all over the world, having offices in North America, Asia, UK and Europe. It has over 1400 employee all over the world and is a part of Fairfax Company.

I was involved in a project which provides insurance to high net worth homes and luxury items. My role was to extract premium and claims data provided by third party vendor and to load into EDW and then generate earning and accounting treatment file for GL system using T-SQL and SSIS.

- Involved in **Designing, Developing and Testing** of the **ETL** (Extract, Transformation and Load) strategy to extract **premium** and **claims data** from **XML** files using **T-SQL** and **SSIS**.
- Involved with Business, data architect and third-party vendor to **gather data requirement** and **designing system** for new Insurance system.
- Code development in 2-week **sprints** and attended **daily stand up** meetings to provide status update to **Scrum/Agile Master**.
- Created **stored procedures** using **XPath query** to extract data from **XML file** provided by third party and load it into **staging area**.
- Creating **SSIS packages** to load premium and claims data from **staging DB** into **Star schema Dimensional model** consisting of **fact** and **dimension** tables.
- Created stored procedures to do **incremental load** using **merge statement** using **T-SQL**.
- **Gathered requirement** from **finance** for accounting treatment and creating new revenue codes.
- Created audit process and multiple **SSRS reports** to compare premium and claims amount between source and EDW.
- Performed **data analysis** for data discrepancies and data pattern using **T-SQL**.
- Developed SSIS packages and implemented business logics using different **Control Flow** items like **Execute SQL Task, Sequence Container, Foreachloop Container and Dataflow Task** and used different data flow transformation like **Derived Column, Data Conversion, Lookup Transformation, Conditional Split** etc.
- Created **stored procedures, Indexes, Views, and User defined Functions** to handle complex business rules and audit analysis using **T-SQL**.
- Converted other sources systems accounting treatment **SSIS packages** into new AT system for better performance.
- Code deployment through **continuous integration** on **DEV, QA, UAT and PROD** server.
- Created work tickets in **JIRA** and updated documents in **Confluence**.
- Used **GitHub Bitbucket, Source Tree and Accurev** for version controlling of **SSIS packages** as well as various **T- SQL** objects.
- Provided production support and created production support **runbook**.

Environment: MS SQL Server 2012,SSIS 2012, T-SQL, C#, Microsoft Visual Studio 2012, MS SSRS 2012, Window XP, Accurev, Bitbucket, JIRA, MS SharePoint 2010,GitHub

Teachers Retirement System of New York City (New York , NY)
T-SQL/SSIS/ETL/SSRS Developer

Jan 2015 - Oct 2017

I was involved in modernization project and the main goal of this project is to replace our legacy UPS system (DB2) to new Data warehouse (SQL Server). My role was to develop SSIS Package Framework to Load Data from legacy system new Data warehouse and create SSRS reports.

- **Designed** SSIS Template package for reusability, which includes Custom Package Auditing, Configuration, Package Start and End Time, Audit ID etc. into ETL_STATS TABLE.
- **Loaded** from different sources like **DB2, excel, Flat File** into **Star schema Dimensional model** consisting of **fact** and **dimension** tables.
- **Created** forward and backward bridges for **Incremental load and added reconciliation process to validate data on fly** using **SSIS** to keep legacy system and new system to be in sync.
- **Developed C#** scripting for file name, column header and row count validation in SSIS packages.
- **Created** SQL Server Integration Services (**SSIS**) Packages to integrate and analyze Members demographic data, Member Funds Data and Members Pension Data from multiple **homogeneous** and **heterogeneous** information sources like (**CSV, Excel and DB2**).
- Created **synonyms** for linked server and used **Openquery** to access and update data on different servers.
- **Developed** SSIS packages using different **Control Flow** items and used different **data flow** transformations.
- Created view on **SSISDB** catalog to get all logging information for SSIS package.
- Created various **single valued parameters** and multi-value **Parameterized Reports, Drill through** using SSRS 2012.
- Created **Batch summary reconciliation** and **aging** report.
- Used **checkpoints, breakpoints and transactions** in SSIS Packages.
- Used **Team Foundation Server** on regular basis for **version controlling** of SSIS packages as well as various T- SQL objects.

Environment: MS SQL Server 2012,SSIS 2012, T-SQL, C#, Microsoft Visual Studio 2012, MS SSRS 2012, Window XP, Team Foundation Server, MS SharePoint 2010.

PROFESSIONAL EXPERIENCE

METLIFE, (Bridgewater, New Jersey)
T-SQL/SSIS/ETL Developer

Jan 2013 – Dec 2014

MetLife is among the largest global providers of insurance, annuities and employee benefit programs, with 90 million customers in over 60 countries.

I was involved into multiple Projects like Participation Rate, Broker Source Data .The project was about to develop business solution for calculating Participation rate for different Markets and Products and

gathering all broker information into one place for reporting. In addition, migrated existing database environment from SQL Server onto Netezza.

- Responsible for **coding SSIS processes** to import data into the Data Warehouse from Excel spreadsheets, Flat Files and OLEDB Sources.
- Involved in **building and maintaining SSIS Packages** to import and export the data from various data sources using BIDS based on the design data models.
- **Analyzed** different business requirements and provided time estimate for all SDLC phases (Analysis, Design, Coding, Implementation, SIT, UAT and Production Move).
- **Created** Interface SSIS Framework to validate (**Column Header, Filename, and Row Count Etc.**) for In-Bound files and generate Out-Bound files based on File pattern definitions.
- **Developed** C# scripting for SSIS packages.
- **Created triggers** to maintain history and referential integrity between the tables.
- **Added** XML configuration files to each package to deal with different servers like Development, Testing and Production.
- **Used** FTP task in SSIS packages for File Transfer from one server to another.
- Created **SSIS Framework** to generate excels report with formatting using Excel Assembly and **C#** code in Script Task.
- Used **T-SQL** code in SSIS packages to extract the data from multiple systems and to manipulate the data.
- Experienced in working with **XML** document structures and hierarchical data.
- Used **Script task** to perform various operations like (File Validation).
- **Created** and scheduled Jobs, automated SSIS Packages to run sequentially using SQL Server Agent job.
- Responsible for **performance tuning** of existing and new SSIS packages and introduced **dynamic configurations, Auditing etc.**
- **Created** Run Books and workflow documents in Visio and for all existing and new **SSIS** packages.
- Used **Visual Source Safe** for **version controlling**.

Environment: MS SQL Server 2008 R2, T-SQL, SSRS / SSIS, C#, 2003, Win 2008 Server R2, Visual Source Safe, Microsoft Visio 2007, Microsoft Project 2007, VB.net, MS SharePoint, Netezza.

PINEBRIDGE INVESTMENTS, (New York, NY)
T-SQL/SSIS/SSRS Developer

Feb 2011 – Dec 2012

PineBridge Investments (formerly known as AIG Investments) is an independent asset manager with approximately US \$81 billion in assets under management with extensive global network, 800+ dedicated professionals, broad capabilities and established track records across all asset classes, global perspective with local insight ensures timely access to compelling investment opportunities.

This project was about to develop DSS for Portfolio Manager/Broker/Account using Microsoft Business Intelligence technology like Integration service packages, analysis cube and reporting.

- Actively participated in development and implementation of **Asset under Management Data Warehouse**, including the integration of **Private Investment, fixed income, equity, Alternatives and Structured Products**.
- Created SQL Server Integration Services (SSIS) Package load data from multiple sources (**CSV, Excel, SQL 2008, and Flat File**) and written custom framework to handle incremental data using **Trigger and SQL Script**.
- Created Report SSIS Framework to generate Custom Excel report (**Logo, Custom Font, Custom Data Format, etc.**) based on Business requirement.
- Created SSC DW Load **SSIS Packages** to load Incoming **State Street** files to ODS and ODS to DW after cleansing, scrubbing the data files(used combination of complex TSQL query, analytical functions ad-hoc scripts and SSIS Package)
- Loaded data into **Star schema fact and dimension** tables.
- Develop **report models** for users to create reports on demand
- Created Business-Crucial stored procedures and functions to support efficient data storage and manipulation.
- Provided Dynamic Configuration, Custom Package Logging, Error Handling, and Notification to SSIS package. Created approximately 25+ packages including extraction from flat files, **excel file, oracle** and load data to SQL server.
- Created 10 **AUM (Including Gain/Loss Report)** reports using **C#** scripting in **Script task** to handle custom formatting of excel sheet.
- Created reconciliation report based on holding by Portfolio file receiving from **State Street** and comparing it with **MAGIC DW**.
- Develop and deliver reporting solutions using **SQL Server 2008 Reporting Services (SSRS)**.
- Created ETL objects to support **Broker Child and parent fields** for Broker allocation reports to get correct commission per Broker.
- Implemented Logic with **lookup** table to maintain Parent- Child relationship and **maintain hierarchy**.
- Used **Package Configuration** to Migrate SSIS package from one environment to other.
- Created **templates for routine changes**. Created DML and DDL build as well as the SSIS package build to deploy appropriate code in Production server along with test cases.
- Used **Star Team** for **version controlling** of SSIS packages and T-SQL objects.

Environment: MS SQL Server 2008R2, T-SQL, SSRS / SSIS, Win 2003, Win 2008 Server R2, Star Team, Microsoft Visio 2007, Microsoft Project 2007

Vriti (Noida, India)

July 2007 – Jan 2009

MS SQL Server/SSAS/SSRS Developer

Vriti consulting services provider focused on implementations in all areas of Enterprise Content Management, Information Management, Mobile Solutions, QA Automation, Application Outsourcing and Project Management. It serves a broad range of clients in government and industry, implementing complex projects from initial concept to delivery and operation.

The main objective of the project was to collect data from various database sources to perform analysis and then integrate them with the existing systems.

- Participated in developing **logical model** and implementing requirements on SQL Server 2005.
- Created the database for the reporting team.

- Analyzed the existing application programs and tuned SQL queries using Execution plan, Query Analyzer, SQL Profiler and database Engine tuning Advisor.
- Created and managed schema objects such as Tables, Views, Indexes, Procedures and Triggers.
- Created Database **Triggers** to implement business requirements.
- Created various **ad-hoc SQL queries** for customer reports, executive management reports and types of report types like tables, matrix, sub reports etc.
- Implemented **security** to restrict the access to users and to allow them to use only certain reports.
- Created and monitored SQL Server automated jobs to transfer data between various data sources using **SQL server agent**.
- Designed packages which utilized tasks and transformations such as Execute SQL Task, **Data Flow Task**, **Sequence Container**, **For Each Loop Container**, Lookup, Aggregate, Expression, and Derived Column.
- Formed and developed stored procedures, triggers and Functions to support the front-end application and to handle complex business rules, data conversion, historical data, and audit analysis.
- **Optimized SQL queries** for improved Performance and availability.
- Re-organized database structures as needed, automate procedures at regular intervals.
- Optimized long running Stored Procedures & Queries for effective data retrieval.

Environment: MS SQL Server 2005, Query Analyzer, Enterprise Manager, DTS Designer, SQL Profiler, Index Tuning Wizard), Windows XP, MS Access, MS Word