# Japankumar Sunilkumar Pathak

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**Summary**

* Overall, 9+ years of experience as a developer.
* 9 years of experience as a SQL database developer with **MS SQL SERVER 2012/2014/2017/2019**.
* Experienced in creating stored procedures using T-SQL and error handling blocks.
* Excellent with BCP command and BULK INSERT command.
* Experienced in writing stored procedures, views, triggers, synonyms.
* Extensive experience in creating Tables, Views, Indexes, Stored Procedures, Complex Inner and Outer joins, Triggers, Except Clause using T-SQL DML and DDL as well as analyzing and debugging exiting Complex stored procedures. Hands on using all kinds of SQL Server Constraints Primary Keys, Foreign Keys, Defaults, Check, Unique etc.
* Extensively used tools like SQL Profiler, Index Tuning Wizard, Windows Performance Monitor for monitoring and tuning MS SQL Server performance.
* Created Automation process to import raw data from **AWS S3** and processed it.
* Designing database Schemas from scratch to building one. Analyzing and structuring huge data sets.
* Monitored and optimized Cosmos DB query performance and indexing.
* Integrated Cosmos DB with Power BI and other visualization tools for data analytics and reporting.
* Designed ER diagrams and mapping the data into database objects and involved in the normalization of the database in **OLAP**.
* Automated efficient scripts for **ETL** using various scripting languages like **Python**, **SQL Server, Batch, SFTP, SSIS with C#**, which is later used for interactive dashboards, the storyline on the web.
* Experience on migrating Python - Pandas and NumPy code in to SQL Server stored Procedures.
* Evaluated database performance and performed maintenance duties such as Tuning, Backup, Restoration and **Disaster** Recovery (DR).
* Experienced in Data Conversion, Normalization and Data Modeling, Multi-Dimensional Modeling in data marts of OLAP databases and involved in creation of Fact Tables, Dimension Tables, Star Schema and Snowflake dimensional schema.
* Worked on dashboard using data visualization techniques and methods.
* Coordinated with business users regularly for enhancing dashboard formats and built the pipeline for refreshing dashboards at one go.
* Automated the ETL processes using SSIS, Advanced SQL, batch files, PowerShell scripting and using scheduling tools like **JaSFTP**, **WinSCP** and **CloudBerry**.
* Generated claims Invoices using SSIS reports.
* Worked with **AutoKrypt** software to encrypt and decrypt the PHI (Patient Health Information) data files.
* Experience in creating Jobs, Alerts, SQL Mail Agent, and schedule DTS packages.

**Skills**

* **Azure DevOps, AWS S3, AWS EC2, CosmosDB, Data loading (SSIS, Azure Data Factory) Data visualization (IBM Cognos, SAP BIC Tool, SSRS, Crystal Reports), Databases (SQL server 2012/2017/2019, MySQL, Oracle 11g/12c), OLAP/OLTP, C, C++, Core Java, C#.NET, VB.NET, ASP.NET, Bootstrap, Aurora, PostgresSQL, REST APIs, JavaScript, JQuery, Ajax, EC2, JSON, Linux, MS OFFICE.**

**Experience**

**American College of Cardiology (Healthcare) Washington D.C., USA**

SQL Developer/SSIS Developer Jun 24 – Present

* Run the Aggregation using SQL Agent on daily basis on Staging environment.
* Add the elements and update the metadata of database architecture.
* Using Visual Studio 2019, update the existing SSIS packages to fix the bugs and add new features based on the requirements.
* Created complex stored procedure with pivot tables to aggregate the data mart data.
* Look for the dependent stored procedure using reverse engineering and update them to avoid errors.
* Using **APEX SQL**, update the code into code versioning tool and deploy them to higher environments.
* Created the feature branch in JIRA and performed the CI/CD pipeline operations to maintain the code in synchronization throughout all environments.
* Optimized the existing stored procedure to improve the performance and decrease the running time by restructuring the stored procedure.
* Documented the change and version of the stored procedures with new requirement.

**US Bank (Fund Services) New Jersey, USA**

SQL Developer/SSIS Developer Jul 23 – Jun 24

* Migrated SSIS packages from visual studio 2012 to visual studio 2019 version.
* Configured packages connection using package configuration feature of visual studio 2019.
* Deployed the packages to Geneva Desktop application and tested them into Geneva App.
* Modified the Stored Procs for different vendors of Fund Services.
* Demonstrated expertise in SQL, optimizing queries for maximum efficiency and minimizing latency.
* Used Azure data factory to transform the data based on different requirements.
* Optimized CloudFormation templates for efficient resource deployment and management.
* Designed and implemented automated scripts using Python and Bash, streamlining processes and enhancing productivity.
* Successfully applied SQL tuning techniques to improve database performance and reduce bottlenecks.
* Experience in working with Agile methodologies using tools such as **Azure DevOps** and finishing the tasks on deadlines.
* Checked-in the code using Azure DevOps to main branch and merging them to production branches.
* Developed and maintained complex database schemas, ensuring data integrity and consistency.
* Reconcile the reports to match the data and fixed the issues if any.

**Silicon Valley Bank (Loan Department) California, USA**

SQL Developer/SSIS Developer Aug 22 – Jun 23

* Created SSIS packages to load the AXIOM SL tilda(~) separated files with error handling.
* Involved in creating complex stored procedure according to business logic of 12 months of data for Deposits, Loans and Nostros module.
* Created complex stored procedure with cursors, **CTE** and triggers to compare Input and Output data for Loans, Deposits and Nostros module.
* Used **Oracle** Datawarehouse as a source to load the transaction data into SQL Server 2019.
* Maintained the **JIRA** stories and provided work on day-to-day basis.
* Knowledge Transferred to co-workers and prepared technical documentation such as Deployment notes, **SRD** and Runbook.
* Extracting data from different universes such as Loan Daily, and Loan Production Monthly from **BIC** tool and export it on daily basis to csv format.
* Created **dashboard** for Human Resources Management to track the number of employees based on their gender, hire date, employment status, salary and department.
* Created Loan Cashflows data process (Stored Procedure) from scratch to end with multiple cursors and loops to process the Interest and Principal type of data.
* Developed **SSIS** packages and stored procedures to retrieve all accounts from various systems like transactions, deposits, loan cashflows and nostro accounts.
* Worked on Python code migration into SQL Server Stored Procs.
* Knowledge of Python NumPy and Pandas to create final dataframe for Cashflows data set.
* Used Aggregate functions, String functions, Slicers operation on dataframe in Pandas based on the requirements.
* Used Azure Data Factory to load data from different sources like flat files and loaded in Azure Data warehouse.
* Knowledge of **Azure DevOps** to checkin the code into Git.
* Used different date functions, merge functions and aggregate functions to process the data in python.
* Created SSIS Agent Jobs and deployed SSIS packages across all environments (DEV, QA, UAT and PROD) with configuration files to automate runs on weekly basis.
* Deployed the SSIS package to production server by creating Change Request in **Service Now**.
* Created ATM **dashboards** for the higher management that get refreshed on daily basis.
* Exported data from **BIC** and the banking universe to **EXCEL** and csv files.

**EagleBank Corp. (Reporting Services) Maryland, USA**

SQL Developer/SSIS Developer Mar 2021 – July 2022

* Created front-end .net application with **SQL** server 2019 backend and VB.net as code-behind for different departments to support banking system.
* Implemented Grid View web control in the application to maintain the data paging and sorting.
* Developed **CSS** files to design the **Web Forms** and controls used in application. Used CSS for achieving uniformity among all the **ASPX** pages.
* Experienced in writing stored procedures, views, triggers, synonyms.
* Writing query to extract the data from **BIC** tool and export it in EXCEL and CSV formats.
* Used different filter options like IN, BETWEEN, EQUAL, and many more to write the **BIC** query and get the specific data for Loans and Deposits on daily basis.
* Extensive experience in creating Tables, Views, Indexes, Stored Procedures, Complex Inner and Outer joins, **Triggers**, Except Clause using T-SQL DML and DDL as well as analyzing and debugging exiting Complex stored procedures. Hands on using all kinds of **SQL Server** Constraints **Primary Keys**, Foreign Keys, Defaults, Check, Unique etc.
* Excellent with **BCP** command and BULK INSERT command.
* Develop the Documents for Logging/Error Handling for SSIS (**ETL**) Packages.
* Designed SSIS (**ETL**) Packages to transfer data from various sources like Flat Files, XML Files, SQL Server, **Excel** and **Access** to **SQL** Server using Business Intelligence Development Studio.
* Created automation tasks to load the data from scratch to end using SSIS packages.
* Applied various data transformations like Aggregate, Sort, Multicasting, Conditional Split, Derived column.
* Wrote T-SQL queries, Store Procedures and used them to build packages.
* Designed, Developed and Deployed reports in **MS SQL Server 2017** environment using SSRS.
* Migrated lower environment databases to different testing servers.
* Improved the accuracy of the source data by implementing data validation on the source Data for reporting.
* Knowledge of understanding data story for **data visualization** with advanced method and techniques.
* Created reports to retrieve data using Stored Procedures that accepts and return parameters.
* Develop the Documents for Logging/Error Handling for SSIS (**ETL**) Packages.
* Responsible for optimizing all indexes, SQL queries, stored procedures to improve the quality of software.
* Designed, reviewed, and created primary objects such as **views**, **indexes** based on logical design models, user requirements and physical constraints.

**Commonwealth of Pennsylvania (DOE) Harrisburg, PA, USA**

SQL Developer/SSRS Developer Oct 2020 – Dec 2020

* Managed flow of SSIS (**ETL**) package using sequence containers to setup automation task from scratch to end.
* Generated multiple reports **SSRS** from SQL Server Database **OLTP** and SQL Server Analysis Services Database **OLAP** and included various reporting features such as group by, **drilldowns**, **drill through, sub-reports, navigation reports Hyperlink** etc.
* Fixed the bugs in the existing packages of SSIS (SSDT).
* Converted Cognos Reports to SSRS with the help of SSMS and SSRS report builder for the end users.
* Participated in customer interaction, code review and follow-up.
* Used SSIS (**ETL**) packages to roll our data to Live Tables and to Processing Database.
* Created complex packages and deployed them using catalog scripts.
* Migrated packages from development server to production server using package configuration.
* Created builds and release pipelines in VSTS and done deployments using SPN (secure endpoint connection) for implementing CI/CD.
* Used to get tickets on **Azure DevOps** to finish the tasks.
* Used SQL Server profiler for auditing and analyzing the events, which occurred during a particular time horizon and stored in script.
* Created subscriptions in SSRS to deliver reports to a shared file.

**XSUNT Corporation Newtown, PA, USA**

Data Analyst/SQL Developer Oct 2016 – Sept 2020

* Developed online dashboard for handling the data for a pharmaceutical firm Bristol Myers Squibb. About 2,500 Reps visit every day to look at how their territory is performing with data related to sales, claims, patients, hospitals, doctors, inventories, promotional activities, calls and alerts sent to doctors and hospitals.
* At ground level, I collaborate with sales and marketing teams, reps and manufacturing teams on deciding factors responsible for driving sales. Provide timely technical support and troubleshooting to business users on hardware, software, network and doing a quality check daily.
* Managed flow of SSIS (**ETL**) package using sequence containers to setup automation task from scratch to end.
* Designed SSIS packages to bring data from existing OLTP databases to the new data warehouse by Performing different kinds of transformations like Lookup Transformations, Merge Joins, Fuzzy Look Ups, Derived Columns, Merge Join, Conditional Split, Data Conversion with Multiple Data Flow tasks.
* Developed the process from multiple files to single task using wild card of file system task in SSIS (**ETL**) package.
* Supported the packages on production, UAT and QA environment.
* Knowledge of SQL Server Service Broker in databases under same instances.
* Understanding of creating Contracts, Message Types, Queues, in Service Broker Object.
* Built structure of **SQL** databases at back-end as well as queries, improved efficiency by error-checking modules and optimizing querying process using SQL 2016/2017.
* Transformed the data using different transformation techniques like aggregate, data conversion, row count, derived column, copy column, Slowly Changing Dimension, etc. from OLAP databases.
* Created and maintain monthly and weekly department reports.
* Designed and developed various data visualization charts and graphs of sales and claims on dashboard for **Bristol Myers Squibb**.
* Experienced in creating number of stored procedures and complex SQL queries using SQL 2016/2017.
* Excellent with BCP command and BULK INSERT command.
* Extensively used tools like SQL Profiler, Index Tuning Wizard, Windows Performance Monitor for monitoring and tuning **MS SQL Server** performance.
* Created Automation process to import raw data from **AWS S3** and processed it.
* Developed the Documents for Logging/Error Handling for SSIS (**ETL**) Packages.
* Built Automation process to load raw data from different sources like email, **SFTP**, **AWS cloud,** etc. using SSIS (ETL) with C# and applying transformation techniques for transferring and loading data.
* Automated the ETL processes using **SSIS** and **C#**, Advanced SQL, batch files and using scheduling tools like **JaSFTP**, **WinSCP** and **CloudBerry** between **datamarts**.
* Generated various Yearly, Monthly, and Weekly reports by different types of reports using SSRS and SSIS (**ETL**).
* Worked with AutoKrypt software to encrypt and decrypt the PHI data files.
* Developed and implement data collection systems and other strategies that optimize statistical efficiency and data quality.
* Created claims Invoices and claims card reports using **SSRS**.
* Allocated physical data storage for database systems.
* Acquired data from primary or secondary data sources and maintain databases/data systems.

**SAC: Technology Partners Ahmedabad, Gujarat, India**

Full Stack Developer (Sup. name - Saifuddin) May 2014 – October 2014

* Participated in customer interaction, code review and follow-up.
* Collaborated with staff and teams to develop Virtual Tech Team (VTT - Website).
* Designing the database for VTT and Co-ordinate with other programmers to solve specific tasks.
* Designed the flow of Virtual Tech Team.
* Provided technical or functional guidance to the team as needed within a specific discipline.
* Estimated the Work Break Down Structure for the system.
* Interaction and Daily updates to the client.

**SYNC Technologies Pvt. Ltd. Nadiad, Gujarat, India**

Full Stack Developer (Sup. name - Jugal Kapadia) July 2013 – March 2014

* Worked on version control systems such as Git, and BitBucket.
* Worked on unit testing, debugging, and troubleshooting issues on developed code.
* Designed flow charts, database tables, and UML diagrams.
* Documenting daily work status.
* Created a process of SQL server database backup daily.
* Worked on CRUD operations to create the admin portal.

**Education**

* M.S. in **Project Management in Information technology** from Harrisburg University of Science & technology (HU), graduated in 2019.
* M.S. in **Computer Science** from Northwestern Polytechnic University (NPU), graduated in 2016.
* Bachelor of Engineering in **Computer Engineering** from Gujarat Technical University (GTU), graduated in 2013.