**PROFILE SUMMARY**

8+ years of experience in analysis, design, and development of SQL Server Databases and Business Intelligence solutions using SSIS, SSAS in Data warehousing applications.

Experience in T-SQL creating views, stored procedures, functions, triggers, and CTEs to assist efficient data manipulation and consistency.

I am skilled in using ETL (SSIS) to develop jobs for extracting, cleansing, transforming, and loading data into the data warehouse.

Experience in creating configuration files to deploy the SSIS packages across all environments.

Experience in writing C# scripts within SSIS packages to handle custom transformations.

Experience in writing Python scripts for data analysis and custom ETL solutions.

3+ years of experience in developing Data visualization reports using Tableau, R, and Power BI

**TECHNICAL FORTE**

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| --- | --- |
| Database | SQL Server 2016, 2014, 2012, 2008/R2, MS Access |
| SDLC | Agile, Scrum, Scaled Agile, Waterfall |
| Programming | T-SQL, C#, R, VBA, Python, Power shell |
| Development Tools | SSDT, STATA, R Studio, SSMS |
| Integration Tool | SSIS,Azure Data Factory, Synapses |
| Analysis Services | SSAS, SATA, R, MS ACCESS |
| Reporting Tool | R, SSRS,PowerBI,Tableau |
| Source Control | TFS, GitHub, Redgate |
| Cloud | Azure |

**EDUCATION**

**Master of Science in Business Analytics**, University of Massachusetts, Boston

**Bachelor of Engineering**- Electronics and Instrumentation, Jaya Engineering college Chennai, India

**MS Business Analytics Projects:**

**Duration-** Sep’18 -Dec’20

* **R and Tableau** -Worked on patients with heart failure and mortality due to heart failure dataset analysis across the various provider. Involved in Data cleaning and data preparation using R, performed Linear regression of the data, and created data visualization reports to analyze the results using Tableau and R.
* For **Python programming** project -Designed Pokémon game features like player login, Pokeball hate attack, player battle, candy, stardust, add poke stop (used **Google API**), visit poke stop and poke eggs hatching feature. Apart from this, integrated database in the Python code to manage player inputs and records.
* **Tableau Project** – Worked on Tableau project to analyze a company's sales data. I was involved in Data blending in Tableau to merge different data groups and developed five different Tableau views, dashboard, and two stories to justify the company sales and anomalies.
* **Data Warehousing** – Designed a star schema data warehouse for restaurant product and sales data. I was involved in creating multiple fact schema. Created **SSAS** cubes based on this Dim and fact tables. Designed KPI's from cubes like Food cost percentage, discount per menu item, Frequent customer, Payment method(cash or credit), Average cheque size. These KPIs helped analyze the data and provide the restaurant’s managerial decisions.
* **Cloud**- Learned cloud computing concepts across various cloud providers like AWS, Azure, Google Cloud, and Alibaba. Created comparison reports on these various cloud providers, worked on Azure labs and presented Azure cloud services as the final presentation.

**WORK EXPERIENCE**

**Employer:** The Brattle Group

**Role:** Senior Applications and Database Developer

**Duration:** Jan’20 – Present

**Project:** Dev Ops

**Responsibilities:**

* Gathered business requirements to facilitate the planning and implementation of a data warehouse.
* Develop, implement, and support critical applications, databases, and reports in an MS-SQL environment, using Microsoft SQL tools; T-SQL, SSIS, SSRS, and Power BI.
* Develop reports using T- SQL, SSRS.
* Develop SSAS cubes and used the KPI’s for reporting.
* Develop and optimize ETL processes using SQL, SSIS, and Microsoft SSDT tools
* Administer and support critical MS-SQL databases to maintain high levels of availability.
* Designed visualizations using SSRS, Power BI; published and presented dashboards on web and desktop platforms.
* I developed SSIS packages to load data into the data warehouse's data mart.
* Experience using Team foundation server and Git Hub as source control
* Worked with SSIS performance tuning using counters, error handling, event handling, re-running of failed SSIS packages using checkpoints and scripting.
* Understand and write PowerShell scripts for maintenance tasks
* Deployed Azure SQL and Azure SQL data warehouse to manage BI activities for Cloud.
* Administration of SharePoint On-Premises/Online.
* Support existing 3rd party applications like Microsoft Dynamics CRM and custom applications and assist the user community
* Develop and maintain C# applications
* Develop and maintain C# scripts and Python scripts in SSIS.
* Be part of an on-call rotation as needed.

**Employer:** Cotiviti HealthCare

**Role:**  Engineer

**Duration:** Jan’16 – Dec’19

**Project:** Retrospective Claims – Engineering & Support

**Project Description:**

Health insurance claims from various insurance clients, labs/providers are sent to Cotiviti to analyze and report any anomalies on a fixed frequency. The project team is responsible for loading all these files into the databases using BMC. Once the data is available in the respective databases, various reports are designed & built out of them, which the auditing team uses for their analysis. The engineering team is also involved in developing custom tools used internally by businesses to analyze various measures, helping clients payout to any incorrect submissions. Once the Auditing is complete, and recoveries are found, the data is pushed to Datawarehouse and will undergo the Cotiviti recovery cycle.

**Responsibilities:**

* Document & transform business requirements to a technical design document
* Development using Agile Methodology. Trained as a **Scaled agile** practitioner
* Development of reports in **SQL/MS Access** on different functional areas like Provider Billing, Coordination of Benefits, Contract Compliance.
* Research and analyze the possible areas of improvement to use the best practice
* Developed **Health care Concept** reports in T-SQL to audit health care claims.
* Performing **ETL** on various **medical insurance** clients and provider data.
* Provide work estimates and provide weekly status on the progress of the project.
* Align new solutions to the current architectural principles regarding standards and integration in the organization
* Collaborate within and across development and project teams.
* Developed customized databases, tables, views, indexes, and constraints with business rules using **T-SQL.**
* Develop Data load procedures in T-SQL and **SSIS** packages.
* Develop Cubes using Analysis services for analytical purposes.
* Develop applications for client import and export in MS Access and T-SQL.
* Develop applications that simulate the various client Pricing/billing logic in T-SQL.
* Modify/create the MS Access applications used by the auditors to align with the requirements
* Design & develop various front-end forms that will generate reports for client analysis.
* Write complex T –SQL queries using Joins, Functions, Derived Tables, XML, Triggers, Dynamic SQL, and store procedures.
* Test and deliver error-free solutions for production deployment and support implementation.

**Client/Employer:** Rabo Bank, Infosys Ltd.

**Role:** Technology Analyst

**Duration:** Oct'09 - Mar'12

**Project:** Banking Application’s Database Migration from Sybase to MSSQL Server 2008

**Project Description:**

One of Australia’s leading agricultural Bank Loan modules was using Sybase as the database, and an up-gradation of the same to SQL Server 2008 was proposed. In conjunction with the same, data in the old database must be moved into the new one, wherein all the data for each report must be represented in the XML format. These XML data will be stored in a table from which the user will be processing further. The project involved the new design and development of complex stored procedures and SSIS packages that would cater to the output in the required format—and also required to use SSRS to deliver the reports to the finance users.

**Responsibilities:**

* Involved in the initial requirement gathering stages with the client and documented the technical specifications.
* Participated in weekly status calls.
* Extracted and Migrated data from Sybase to SQL Server 2008 using SSIS packages.
* Created complex SSIS packages to transform the source data to the destination in the required format.
* Created customized databases, tables, views, indexes, and constraints with business rules using T-SQL.
* Developed complex queries to return results in XML format for reporting purposes.
* We enhanced the Query performance using Cluster and Non-Clustered indexes.
* Created, monitored, and tuned SQL scripts for performance.
* Cleaning and extracting data for the Data warehouse using SSIS as an ETL tool from various heterogeneous data sources, including Excel, MS Access.
* Developed Tabular Reports using SSRS Report Designer.
* Designed different types of SSRS reports, including drill-down and Matrix

**Client/Employer:** Microsoft, Infosys Ltd

**Role:** Software Developer and Test Engineer

**Duration:** Jun’07– Sep’09

**Project:** MSONETEL Softphone config tool and IVR Data Mart

**Project Description:**

The project is to develop a configuration tool for Microsoft ONETEL Softphone and perform End-to-End testing of contact center applications which includes making a call to IVR systems, validating them in Source, Config, and Portal Databases, and validating the same on the Exony Report. The business uses an Analytics tool to evaluate both IVR and ICM reports based on the One Call and AT&T instances. Microsoft data centers process the data collection, and the same is presented in Exony interface. This data aims to evaluate the effectiveness of the IVR and the efficiencies of the ICM.

**Responsibilities**:

* Data Validation of IVR Database(s) includes analysis of complete call flow, databases, and query the database to validate every field of the contact center report.
* Worked on Identifying test cases and developing test scenarios & test case authoring.
* Developed Test Cases, Executed the test Scripts, and Reporting the results.
* Design and develop an automation tool using Coded UI.
* We performed Silo testing that includes SQL query development as per the business logic and validates Exony reports (Contact Centre Report) against the source database.
* Team automated server reporting service application using .Net (XML Parsing by XPath language, VSTS).
* We performed End-to-End testing, which involves making calls to the IVR system, validating data in various databases, and validating the Exony Report.
* Coordinate with on-site team and provide weekly status reports and consolidating and publishing the defect trackers.