**Swathi Yerrabelly**

**Summary:**

* SQL Server /MS BI developer with 10 years of IT experience having multiple skill set and extensive working experience in data warehousing and Business Intelligence Technologies with expertise in SQL
* Server development and Power BI for building, deploying and managing Applications and services.
* Experience in various Extracting, Transforming and Loading ETL/SSIS data flow using SSIS.
* Experience in writing T-SQL (DDL, DML and DCL) and developing/creating new database objects such as tables, Indexed Views, complex Stored Procedures, Triggers, effective functions to facilitate efficient data manipulation and data consistency.
* Integrated Python scripts with MSBI components (SSIS, SSAS, SSRS) to extend functionality and automate tasks.
* Installed and configured the BI OAS components, including the Analytics Server, Presentation Server, and Data Warehouse.
* Expert on creating multiple kinds of Power BI Reports and Dashboards.
* Integrated ODI with BI tools (e.g., Oracle BI, Tableau, Power BI) to enable data-driven insights.
* Highly Proficient in T-SQL DDL/DML, perform most of the SQL Server Enterprise Manager and Management studio functionality using T-SQL Scripts.
* Design and implement database solutions in Azure SQL Data Warehouse, Azure SQL Experience in Database Design and development with Business Intelligence using SQL Server 2014/2016, Integration
* Highly experienced on Data preparation on Power Query, Data modelling and various performance techniques within Power BI.
* Created Azure SQL database, performed monitoring and restoring of Azure SQL database. Performed migration of Microsoft
* Expert in Developing and Testing the Models and date as per Business Logic and user needs using OAS(Oracle Analytics Server) and OAC(Oracle Analytics Cloud).
* Developed, designed and implement solutions using Power Apps, Power Automate, and Power BI to create custom business applications.
* By using Power Apps canvas created intuitive user interfaces.
* Using MS Dataverse designed and implemented the data models.
* Led/contributed to Alteryx projects, e.g., data quality improvement, customer segmentation, fraud detection
* Utilized Alteryx to analyze large datasets, identify trends, and make data-informed decisions
* Enhanced and Optimized the Performance and Security of OAS and ODI systems.
* Guided and trained and stake holders on Effective utilization of OAS and ODI functionalities.
* Experienced in Client requirement analysis, physical, logical Design, Development, Debugging, Testing, Deployment, support and maintenance of business Applications using SQL server 2012/2014/2016and SSIS.
* Designed and build tailored apps for specific business processes and workflows.
* Experience in designing and implementing disaster recovery solutions, security policies and data backup strategies.
* Experience in Data warehouse methodologies.
* Experienced in Tuning T-SQL queries to improve the database performance.
* Designed and developed new ETL/SSIS package that load data from OLTP inti our existing data warehouse based on technical specifications and business requirements.
* Designed and deployed various SSIS projects using SQL 2014/2016 SSDT to integration services catalogs and scheduled them.
* Created different Power BI reports utilizing the desktop and the online service and schedule refresh.

Assist end users with problem installing the power BI desktop, installing and configuring the personal and on -premise gateway, connecting to data sources and adding different users.

* Experienced in developing power bi reports and dashboards from multiple data sources using data blending
* Thorough understanding KPIs and Perspective, Data mining structures.
* Experience in deploying reports on SharePoint Server using SharePoint Integrated Mode.
* Created & formatted Cross-Tab, Conditional, Drill-down, Top N, Summary, Form OLAP, Sub reports, ad-hoc reports, parameterized reports, interactive reports & custom reports.
* Involved in Database Design, Data modeling, Development, Implementation, ETL and Reporting in SQL Server 2000/2005/2008/2008r2/2014/2016.
* Hands on experience with MSBI (SSIS) to extract, transform and load data into database.
* Creating and deploying parameterized reports using Power BI.
* Experience in enhancing and deploying the SSIS Packages from development server to production server.
* Good SQL Server Administration skills including, Backups, Restore, database maintenance, user authorizations and Database creation.
* Involved in coordinating meetings with the project manager and team mates to discuss issues/delays in completing the task.

**Technical Skills:**

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| Databases | MS Azure SQL, SQL server 2016/2014/2012/2008R2, Oracle 11g/10g/9i, My SQL |
| Programming Languages | SQL, PL/SQL, C#, VB.Net, TSQL, PowerShell, Python |
| ETL Tools | BIDS/SSDT, SSIS, Alteryx, Data Stage and Informatica Power Center 9.5 (Basics) |
| OLAP/Reporting Tools | MS Access, Excel, MS SQL Server Reporting Services 2014/2012/2008R2, Power BI. |
| SQL Server Tools | SSMS, Query Analyzer, BCP, SQL server profiler & Agent, Dataflow, Control flow, Error Handling, Catalogues, Report Designer, Report Manager, Report Server, SharePoint Server, Subscriptions, security concerns in each phase of BI project life cycle. |
| Data Modeling Tools | Visual Studio 2010, Microsoft Visio, Business Intelligence Development Studio (BIDS), Erwin, Star & Snowflake Schemas in both Ralph’s& Bill’s DW concepts; strong working exposure on both tabular and multi-dimensional modeling. |
| Cloud Computing | Microsoft Azure Cloud Platform with ADLS and ADF applications, Cloud Service Models (PaaS, IaaS, and SaaS), Storage, Web Apps, Active Directory, Application Insights, Azure Monitoring, Logic Apps, Service Bus, Traffic Manager, Cognitive Services, Key Vault and SQL Azure, and Snowflake Data Warehouse |
| Other Tools | MS Office, MS Excel, MS Project, MS PowerPoint, and MS Visio, and has conceptual exposure in Informatica PowerCenter, Salesforce CRM Administration. Also, Unified Modelling Language (UML) for representing the Business and Process representation through Use-Case Diagrams. |
| Operating Systems | Windows 10/8/7/XP/Vista, MS-DOS, and Unix/Linux |
| Project Management | Scrum Framework, Agile and Waterfall Methodologies, Process Improvement Strategies, Business Analysis, Requirement Gathering and Analyze |

**Professional Experience:**

**Ensemble Health Partners, Cincinnati, OH | Lead SQL Poer BI Developer Oct 2022 - Till Now**

**Responsibilities:**

* Worked closely with team to identify and solve business Challenges.
* Gathered data from various external sources (oracle) into a data warehousing system with the help of ETL Process.
* Preparing reports using calculated fields, parameters, calculations, groups, sets and hierarchies in SSRS.
* Designed and Configured Azure Cloud relational servers and databases analyzing current and future business requirements.
* Installed and configured the BI OAS components, including the Analytics Server, Presentation Server, and Data Warehouse.
* Integrated ODI with BI tools (e.g., Oracle BI, Tableau, Power BI) to enable data-driven insights.
* Worked on migration of data from On-prem SQL server to Cloud databases (Azure Synapse Analytics (DW) & Azure SQL DB).
* Created calculated Measures for dashboard KPI's using DAX and Direct Query, build custom attributes for dashboard slicers and other filters using DAX
* Successfully implemented Alteryx solutions to address specific business challenges
* Utilized Alteryx to analyze large datasets, identify trends, and make data-informed decisions
* Worked and mentored the team with various Power BI Models, DAX Functions and M Code language functions on Power BI and Power Query.
* Developed and Tested the Models and date as per Business Logic and user needs using OAS (Oracle Analytics Server) and OAC (Oracle Analytics Cloud).
* Enhanced and Optimized the Performance and Security of OAS and ODI systems.
* Guided and trained and stake holders on Effective utilization of OAS and ODI functionalities.
* Created ETL packages with different data sources (SQL Server, Flat Files, Excel source files, XML files) and then loaded the data into destination tables by performing different kinds of transformations using SSIS/DTS packages.
* Using SSRS creating well-formed reports and web-based reports for Finance related applications and transactions.
* Worked on creating tabular models on Azure analysis services for meeting business reporting requirements.
* Designed and developed a cloud-based data warehouse solution using Azure Data Warehouse and SQL Azure.
* By using Power Apps canvas created intuitive user interfaces.
* Using MS Dataverse designed and implemented the data models.
* Migrated data from the existing on-premises data warehouse to the cloud-based data warehouse.
* Created ETL pipelines using Azure Data Factory to extract, transform and load data from various sources into the data warehouse.
* Creating interactive reports and dashboards using Oracle's BI tools (e.g., Oracle Analytics Cloud, Oracle Data Visualization).
* Implemented data security policies and backup strategies to ensure data confidentiality and availability.
* Design, develop and maintain large-scale data pipelines and analytical solutions using various big data and cloud technologies.
* Develop and maintain data models to support analytical use cases and business reporting requirements.
* Created custom calculated columns and parameters on Power Query with M code.
* Created effective Dashboards in POWER BI Service and made the reports user friendly and interactive
* Developed and maintained ETL workflows using Apache Airflow to automate data processing tasks.
* Optimized data processing systems for performance and scalability using Big Data technologies such as Hadoop, Spark, and Kafka.
* Extensively used Joins and sub queries to simplify complex queries involving multiple tables.
* Created and Maintained several ETL Jobs and resolved any issues associated with the jobs and scheduled the packages in SQL Server agent on Daily/ Weekly basis.
* Wrote T-SQL queries, stored procedures and used them to build packages.
* Optimized SQL Scripts for better performance and developed SQL Queries/Scripts to validate the data.
* Import data from Different Data sources to create Power BI reports and Dashboards and developed Different kind of bar charts, pie charts, line charts, cards, Matrix.
* Used Power BI Gateways to keep the Dashboards and reports up to date.
* Created measure, calculated columns, relationships using DAX in Power BI and created different Drill down /through Reports for Detailed information.
* Managed relationship between tables in Power BI and responsible for creating and changing visualizations in power Bi reports and dashboards as per Client request.
* Experience in Power BI Robots for Scheduling the Reports to Customers.

**Environment:** SQL Server 2014/2016, Power BI, ETL, SSIS, Team Foundation, Visual Studio 2019, T SQL, MS Excel.

**Client: Broadridge, India | SQL/BI Developer Apr 2020 - Aug 2022**

**Responsibilities:**

* Developed various T-SQL stored procedures, triggers, views, and adding/changing tables and Table valued Functions for data extraction, data load and transformations.
* Created Reports with different Output formats such as Excel file, fixed width text file, PDF, tab-delimited and pipe-delimited.
* Worked with cross-functional teams to gather and analyze business requirements and translate them into technical solutions.
* Researched and developed hosting solutions using MS Azure for service solution.
* Built Data Warehouse in Azure platform using Azure data bricks and data factory.
* Explored NoSQL options for current back using Azure Cosmos DB (SQL API).
* Implement data security policies, disaster recovery solutions and data backup strategies to ensure data confidentiality, availability, and continuity.
* Work with cross-functional teams to gather and analyze business requirements and translate them into technical solutions.
* Participate in agile development methodology and collaborate with product owners, data analysts, and other engineers.
* Utilize tools Pentaho, SQL, Power BI, Azure, Snowflake, Oracle, GIT Lab, Jenkins, Putty.
* Conducted user acceptance testing and resolved issues reported by the client.
* Exposure to Power BI concepts for creating visualized reports and publishing it within the team.
* Responsible for Scheduling Jobs, Alerting and Maintaining SSIS packages.
* Created ETL packages with different data sources (SQL Server, Flat Files, Excel source files, XML files) and then loaded the data into destination tables by performing different kinds of transformations using SSIS/DTS packages.
* Published the dashboard reports to Power BI service for navigating the developed dashboards in web.
* Worked on Data load using Azure Data factory using external table approach
* Worked with various Delivery mechanisms of Reports including Email /PDF/Schedules etc. and scheduled SSIS packages.
* Implemented Extraction Transformation and Loading (ETL) process by pulling large volume of data from various data so0urces using SSIS.
* Developed complex Stored Procedures to generate various Drill-through reports, Parameterized reports, Tabular reports, Matrix reports and linked reports using SSRS.
* Tested Power bi reports and verified the data with the source database data and checked the accuracy of data.
* Wrote calculated columns, Measures queries in power bi desktop to show good data analysis techniques.
* Weekly presentation to the business users about the reports and their changes as required.
* Worked on all types of transformations that are available in Power bi query editor
* Created stored procedures and SQL queries to pull data into power pivot model.
* Participated in project planning sessions with project managers, business analysts and team members to analyses business requirements and outline the proposed solution.
* Imported Data from various sources such as SQL Server, SQL DB, SQL Server Analysis services, Excel etc. Worked on data modelling in
* Utilized Power BI Gateway to keep the dashboards and reports up to date.
* Developed complex DAX Queries to generate computed columns.
* Installed and configured Enterprise Gateway and Personal Gateway in Power BI Services.
* Weekly presentation to the business users about the reports and their changes as required.
* Created Subscriptions to provide reports on a daily/weekly/monthly/Quarterly and annual basis.
* Provided 24/7 Production Support for the maintenance & scheduling of reports.

**Environment:** SQL Server 2012/2014/2016, Report Builder 3.0, Power BI, Tableau, C# .NET, ETL, Business Intelligence Studio (SSIS, SSRS), T SQL, MS Excel.

**Client: HSBC, India | SQL Developer Feb 2014 – Mar 2020**

**Responsibilities:**

* The project aims to help the company migrate from traditional reporting to more dynamic solutions and to continuously improve overall reporting performance.
* Actively participated in gathering Business Requirements that are focused on providing a user-friendly System usage or ambience
* Implemented several DAX functions for various fact calculations for efficient data visualization in Power BI.
* Developed a comprehensive reporting environment utilizing data from multiple sources and creating analysis using SQL Server Reporting Services (SSRS).
* Involved in complete SSIS life cycle in creating SSIS package, building, deploying and executing the package in both the environments (Development and Production).
* Used SSIS to create ETL packages (.DTSX files) to validate, extract, transform and load data to data warehouse databases, data mart databases.
* Created SSIS packages to extract data from OLTP to OLAP systems and scheduled Jobs to call the packages and Stored Procedures.
* Performed Index analysis for tables and came up with more efficient solutions to use Clustered and Non-Clustered Indexes for significant performance boost using index tuning wizard.
* Created and maintained Users, Security Permissions and Migration of the database objects from one server to another server.
* Created T- SQL queries for data retrieval.
* Optimized queries tuned and monitored server performance.
* Monitored performance and optimized SQL queries for maximum efficiency.
* Created and modified Stored Procedures as per the business logic.
* Created other database objects like tables and indexes.
* Created views as per design needs for security reasons.
* Created SSIS packages to import/export sales data to/from the excel sheets, flat files, XML files or other databases as per the user requirements.
* Created data using SQL Server Integration Services (SSIS) and coordinated with ETL developer's team to ensure data extracted, transformed and loaded according to the specified requirements.
* Created tables for Data Ware Housing applications and populated the tables from the OLTP database using (SSIS) packages.
* Involved in Creating (SSIS) jobs to automate the reports generation, cube refresh packages.
* Designed high level ETL Architecture for overall data transfer from the OLTP to OLAP with the help of SSIS.

**Environment**: MS SQL Server, T-SQL, Windows Server, Erwin, SQL Server Profiler, Microsoft Business Intelligence Development Studio (BIDS), SSIS, SSRS, DTS, OLTP, XML.

**Education:**

Bachelors in B.Sc. (MPCS) from Kakatiya University. 2005

Masters in MCA from Kakatiya University. 2008