Lokesh Mallesh
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Having **4.1 years** of experience in **Data Warehousing & Business Intelligence Application**, Professional experience in **Microsoft SQL server Management Studio (SSMS)** and Microsoft Business Intelligence Tools like **SQL Server Integration Services (SSIS)** and **Power BI (PBI)**

Experience Summary:

- Experience in creating database objects like **Stored Procedures, Functions, Triggers, Indexes, Joins and Views using T-SQL** in Development environment for SQL Server
- Worked extensively in writing and debugging **complex stored procedures, views, triggers and user-defined functions**
- Hands on experience in implementation of **Common Table Expression (CTE), Ranking Functions, Temporary tables, Table variables** and **String functions**.
- Worked on project with combination of **SQL Server, SSIS and Power BI.**
- Hands on experience in ETL development using **SSIS.**
- Expert in **Extraction, Transforming and Loading** the data by extract data from **Excel File, Flat File, Csv File sources** and load into various Business Entities.
- Developed mappings in SSIS to load the data from various sources like **SQL Server, Excel and Flat File** into the **Data warehouse** by performing different transformations
- Hands on knowledge of **ETL** processes and **implementing incremental data loads.**
- Worked on Transformations such as **Lookup, Conditional Split, Merge, Union all, Multicast, Derived Column, Data Conversion, OLEDB Command** and **Row Count** in SSIS etc.
- Deployed SSIS packages into **various Environments** (Development, Test and PROD) using **SQL Server Integration Catalog**
- Having good knowledge on creation and scheduling of **SQL server agent jobs** to run ETL's daily.
- Skillful in **ETL** - Extraction Transformation Loading, **Operations Data Store Concepts, Data marts** and **OLAP**-Online Analytical Processing technologies.
- Good understanding of **Data Modeling** – **Dimensions and Fact tables and its relationships**. Good understanding of **Snowflake schema** and **Star Schema.**
- Ability to work with various types and stages of Software Development Life Cycle (**SDLC**) processes including **Analysis, Design, Development, Testing and Implementation.**
- Having a good experience in **Power query, Power Pivot and Power View** for creating the effective **reports and dashboards** in Power BI.
- Having experience on **Scheduling the reports for dynamic refresh**.
- Developing **Visual reports**, **Dashboards** and **KPI scorecards** using Power BI desktop.
- Developed different types of reports like **line chart, bar charts, Table, Drill through, Donut reports, Drill down reports, Matrix reports etc.**
- Implemented dynamic calculations using the DAX functions like **Calculate, Filter, Min, Max, Sum, Count, MTD, QTD, YTD** and cumulative Total etc.
- Experience in writing **complex DAX functions in** Power BI and Power Pivot**.**
- Created **Workspace** for business users to view the developed reports.
- Ability to learn and adapt to new tools.

Technical Skills:

Programming Language   : SQL & T-SQL
ETL Tools   : SQL Server integration Services (SSIS)
Reporting Tools   : Power BI
Databases   : SQL Server 2016, 2017, 2019
Operating system   : Windows 7/8/10

Education:

- B.E (Mechanical) from Paavai College of Engineering, Namakkal.

Professional Experience:

- Working as Software Engineer at Apslog Tech PVT LTD from April 2020 to Till Now.

PROJECT -1 : TARDIS WAREHOUSE

Client   : TORUS, UK
Role   : MSBI Developer
Environment   : SQL and T-SQL, SSIS and POWER BI
Team Size   : 8
Duration   : June 2022 to till date

Description:

TARDIS is a centralized data warehouse across entire Torus Insurance and all end users would connect to the SSAS cube and generate their own reports. TARDIS consists of enterprise data which would come from different sources and would store in TARDIS ware house. TARDIS is very critical to the entire Torus Insurance as it is single version of truth for every line of business which Torus Insurance operates across the global. Torus Insurance is operating in many lines of businesses like Property, Casualty, Liability and Specialty. TARDIS would refresh in every 15 minutes and almost latest data would be available for end users.

Roles & Responsibilities:

- Created and Modified tables, Views, Indexes, User Defined Functions, Stored Procedures in SQL Server 2017.
- Wrote the complex queries using joints, Sub-queries, common table expressions (CTE) in T-SQL 2017.
- Improved the performance of the T-SQL queries and Stored procedures by using SQL profiler, Execution plan, SQL performance monitor and Index tuning advisor.
- Involved in the normalization and de-normalization of the databases.
- Created packages in SSIS to load data from OLTP to Staging, DWH Tables by using Execute SQL task, For Loop, For Each Loop, Sequential Containers and Other Dataflow Transformations.
- Creating the error log to handle the errors by using event handlers within SSIS packages.
- Creating of configurations, Deploying packages to target server.
- Designed and developing SSIS packages using different transformations like Conditional Split, Multicast, Union-All, Merge and Derived Column.
- Created systems for capturing error data in flat file using flat file destination, sending the error data in flat file attached to the corresponding mail ids using Sent Mail Task, and correcting error data.
- Responsible for creating appropriate loaders and relational writes to load the Data from SSIS.

- Created Transformations and Mappings using Data Flow Tasks.
- Used Control Flow Tasks like For Loop Container, For Each Loop Container, Sequential Container, Execute Task, Email Task, and Data Flow Task.
- Extensively used Derive Column, Row Count, Data Conversion, Conditional Split and Aggregate.
- Responsible for developing different types of reports i.e. Line charts, Column charts, pie charts, bar charts, drilldown reports etc.
- Implemented dynamic calculations using DAX functions like calculate, filter, min, max, sum, count, MTD, QTD, and YTD etc.
- Created workspace and content packs for business users to view the developed reports and having experience on scheduling the reports for dynamic refresh.
- Create the Row Level Security in Power BI.
- Involved in creating data visualizations like Clustered Column Chart, Donut Chart, Line Chart, Slicer, Visualization etc. with Power BI.
- Involved in developing reports and dashboards in Power BI.
- Designing the modeling in Power BI.
- Experience in creating dashboards using Power BI visualizations.
- Having good experience in Power query, Power pivot and Power view on creating the effective reports and dashboards in Power BI.

PROJECT- 2 : Sales Information System

Client   : Kraft
Role   : MSBI Developer
Environment : SQL and T-SQL, SSIS and PBI
Team Size   : 6
Duration   : May 2020 to April 2022(1.11 Years)

Description:

Kraft is a foods (Snacks) manufacturing company. Kraft has number of stores and it sells various products. The database has lots of historical data. So data warehouse plays a major role in enabling various stores to view the data at a lowest level and help them to make decision to bring more revenue to company with new policies. Different entities of this project were to identify user data from all data sources on diversified systems information and understanding business aspects.

Roles & Responsibilities:

- Involved in creation/review of functional requirement specifications and supporting documents for business systems.
- Involved in designing packages in SQL Server Integration Service platform to load data from source to destination.
- The packages include, a Master Package which executes a number of Child Packages which include transformations like Execute SQL Task, Script Task, Execute Package Task, File Connection, Derived Column and For Each Loop
- Involved in extracting the data from sources like SQL Server 2008, Excel and CSV files.
- Involved in creation of Check points, Event handlers functionalities to SSIS packages to manage the packages and handling the failures.

- Involve in creating package configurations like XML, SQL Server Configurations and Logging using text, XML and Windows event log.
- Involved in set package configuration to redirect path from test environment to production environment.
- Involved in developed the packages with monitoring features and logging so that audit information of the packages and their execution results are loaded in to the audit table.
- Implemented failure alerts using email in SSIS.
- Reviewed & Tested packages, fixing bugs (if any) using SQL 2008 Business Intelligence Development Studio.
- Scheduling and Monitoring the ETL packages for Daily load in SQL Server Job Agent.
- Responsible for developing different types of reports i.e. Line charts, Column charts, pie charts, bar charts, drilldown reports etc.
- Implemented dynamic calculations using DAX functions like calculate, filter, min, max, sum, count, MTD, QTD and YTD etc.
- Created workspace and content packs for business users to view the developed reports and having experience on scheduling the reports for dynamic refresh.
- Create the Row Level Security in Power BI.
- Involved in creating data visualizations like Clustered Column Chart, Donut Chart, Line Chart, Slicer, Visualization etc. with Power BI.
- Involved in developing reports and dashboards in Power BI.
- Designing the modeling in Power BI.
- Experience in creating dashboards using Power BI visualizations.
- Having good experience in Power query, Power pivot and Power view on creating the effective reports and dashboards in Power BI.

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