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**SUMMARY**

* 9+ **years** of IT Experience in **Database Design, BI-Development** of **Microsoft SQL Server 2018/2016, Snowflake**

**Azure SQL DB, Azure Data Lake Store, Azure Data Factory, DBT** on various development, test, and production environments in various business domains.

* Experience in writing T-**SQL** (**DDL**, **DML** and **DCL**) scripts in all MS SQL server environments.
* Proficient in creating Triggers, Tables, Stored Procedures, Functions, Views, Indexes, Dynamic SQL, joins, Cursors, **CTE** and Constraints in **T-SQL** to facilitate data consistency in MS SQL Server 2016/2012.
* Highly proficient in Tuning **SQL** queries and improving the query performance.
* Experience in optimization and performance tuning using SQL profiler, Index tuning wizard, Performance Monitor and Execution plan.
* Worked on Data Factory to load data from Data Lake to Azure SQL Data warehouse and Azure SQL.
* Recreating existing application logic and functionality in the **Azure Data Lake, Data Factory**, SQL Database and SQL data warehouse environment.
* Worked on Data Lake Analytics (Azure Data bricks) to transform the data as needed to build the tabular model in Azure Analysis Services and automated the refresh of tabular models using Azure Run books, Azure automation account and Azure Functions.
* Design and implement end-to-end data solutions (storage, integration, processing, and visualization) in Azure.
* Created SSIS packages to Extract, Transform and load (**ETL**) data from Excel, Database, XML File and Flat file source by using different SSIS transformations such as Lookup, Derived Columns, Condition Split, Aggregate, Pivot Transformation, and Slowly Changing Dimension, Merge Join and Union all.
* Experience in Virtual Warehouse, Performance tuning **Snow SQL** queries.
* Good knowledge on **HVR** Replication, replicated more than 400+ tables from on prim to snowflake.
* Used For-Each Loop Container, Sequence Container, Script task, Expressions, execute SQL task, Variables, send Mail Task, Package Execution task to achieve business needs.
* Expert in Creating and managing roles for security in **SSRS** reports.
* Expertise in using Microsoft Reporting Service (SSRS) with Report authoring, Report management, Report delivery and Report security.
* Ability to define and develop Report Structure with data definition, report layout and report definition language.
* Strong ability in defining query for generating drill through, drill down reports, canned and cache reports with drop down menu option, sorting the data, defining subtotals and creating report layouts using **SSRS** 2012/2008.
* Experience in developing Custom Reports and different types of **Tabular** Reports, Matrix Reports, Ad hoc reports, Conditional, List items, Charts, Sub reports and distributed reports in multiple formats using SQL Server Reporting Services (**SSRS**) in Business intelligence development studio (BIDS).
* Expert in Publishing and Sharing Workbooks, Data Sources with User Filter to **Tableau** **Server**, Setting Schedules for the extracted reports, Authorization and Permissions, incremental refresh extracts and updating server data that are using extracts.
* Worked on numerous dashboards in **Tableau Desktop** based on the data collected from different locations by importing and blending data from MS Excel and CSV files along with SQL Server Database.
* Strong knowledge in **Power BI**on how to import, shape, and transform data for business intelligence (BI), Visualize data, author reports, schedule automated refresh of reports and create and share dashboards based on reports in **Power BI desktop**.
* Good Knowledge and experience on Power BI Gateways (Personal and Enterprise gateways).
* Proficient knowledge of Data Warehousing methodologies and concepts, including star schemas, snowflakes schemas, ETL processes, dimensional modeling, and reporting tools.
* Created Dashboards using Performance Point Dashboard designer, added different dashboard items like **Scorecards**, **KPI’s** and Filters.
* Created various Performance Point filters like List, Tree and Multi-Select Tree using different filter Templates like Named Set, MDX Query and Custom Table.
* Excellent hands-on experience with **data modeling** tool like Erwin and strong knowledge of Relational and Dimensional database modeling concepts with **star schema** and **snowflake schema’s** design and implementation.
* Experience using different **Version Control Tools** like **Microsoft Source Safe** and **TFS**.
* Has very strong background in a disciplined software development life cycle (SDLC) process and has excellent analytical, programming and problem-solving skills.

TECHNICAL SKILLS

|  |  |
| --- | --- |
| Data Warehousing & BI | SQL Server Business Intelligence Studio (SSIS, SSRS, SSAS, DTS), BIDS |
| Databases | Snow SQL, MS SQL Server 2017/2016/2012, Oracle 11g/10g/9i, Teradata. |
| Analysis/Reporting Tools | SQL Server Reporting Service (SSRS) 2012/2008, SQL Server Analysis Service (SSAS), Power BI, Tableau. |
| ETL & ELT Tools | SSIS (SQL Server Integration Services), Informatica, HVR, Fivetran, Matillion, DBT, ADF. |
| Data Modeling Tools | Erwin, Visio |
| IT Processes | Software Development Life Cycle (SDLC), Project Management, Jira |
| Programming Languages | C, C#, T-SQL, PL/SQL, Python. |
| DB Query Tools | Toad, SQL Developer, SQL Assistant, SQL Server. |
| Cloud | Snowflake, AWS, S3, GCP, Azure. |

**Client: Ochsner Health, New Orleans, LA Jan 2022 to Till Date**

**Role: Sr. Data Engineer / Power BI Developer**

Ochsner Health System is a not-for-profit healthcare organization with headquarters in southeast Louisiana, in the New Orleans metropolitan region. With 40 medical sites spread out across Louisiana, it will be the biggest academic, non-profit healthcare system functioning in the state by 2021. For the previous ten years, Ochsner Medical Center, the organization's main hospital, has held the top hospital ranking in Louisiana. In addition, it operates hospitals and clinics in Lafayette, Greater New Orleans, Baton Rouge, Shreveport, Monroe, and other cities in Louisiana and Mississippi.

* Worked exclusively with the Teradata SQL Assistant to interface with the Teradata.
* Design, develop, and support our Data infrastructure utilizing various technologies to process terabytes of data, including **SQL, Python, Microsoft Azure**, and **AWS**.
* Migrated data from On-Premises to Azure SQL Server using **ADF** Pipelines.
* Wrote **stored procedures** and **User Define Scalar Functions (UDFs)** to be used in the SSIS packages and **SQL scripts**.
* Developed **SSIS** packages to extract data from source systems.
* Worked on Data Transformation Activities using **SSIS** Import/ Export for transferring data between Oracles to **SQL** Server. Moved Data from **flat files** and **Excel sheets** using **SSIS**.
* Created and scheduled **SSIS** packages to pull data from SQL Server and exported to Excel Spreadsheets and vice versa. Designed and developed efficient **SSIS** packages for processing **fact** and **dimension** tables with complex transform.
* Migrated packages to **SSIS** and modified the packages accordingly using the advanced features of Integration Service.
* Created **Grouping**, **sorting** columns and writing expressions according to the business requirements.
* Extensively worked with **SSIS** tool suite, designed and created mappings using various SSIS transformations like OLEDB Command**, Conditional Split**, **Lookup**, **Aggregator,** **Multicast** and **Lookup**.
* Configured Server for sending automatic mails to the respective people when a **SSIS** package fails.
* Enhancing and deploying the **SSIS** Packages from development server to production server.
* Built **API** to store and retrieve information from server database using MySQL.
* Designing and developing logical and physical data models using industry-standard modeling techniques and tools includes identifying data sources, defining data elements, creating data dictionaries, and mapping data relationships.
* Need to work with the **Tableau** and GCP development teams to implement data models in their respective platforms by creating data connections, building data extracts, and designing data visualizations.
* Expert in Publishing and Sharing Workbooks, Data Sources with User Filter to **Tableau Server**, Setting Schedules for the extracted reports, Authorization and Permissions, incremental refresh extracts and updating server data that are using extracts.
* Worked on numerous dashboards in **Tableau** Desktop based on the data collected from different locations by importing and blending data from MS Excel and CSV files along with SQL Server Database.
* Optimizing data models to ensure fast query performance and minimal data latency using techniques such as indexing, partitioning, and caching to optimize data retrieval.
* Develop and maintain Extract, Transform, and Load (ETL) pipelines to support data modeling and reporting and designing data integration processes, developing data transformation logic, and scheduling data jobs.
* Worked Drill Down and Drop-down menu option and parameterized Dashboards using Tableau.
* Used techniques like **data** **blending** which brings data from multiple data sources into a single view in Tableau.
* Prepared Dashboards using calculations, parameters in **Tableau**and created calculated fields, groups, sets and hierarchies etc.
* Combined multiple dashboards into a single story to enhance the visual appeal of the report.
* Involved in Migration of **SAP** **BO** reports to Interactive **Tableau**Dashboards.
* Used excel sheet, flat files, CSV files to generated **Tableau**ad-hoc reports.
* Designing and implementing data pipelines to extract, transform, and load (ETL) data from various sources into **BigQuery** using **Python**.
* Optimizing query performance and data storage in **BigQuery**.
* Writing and maintaining **Python** scripts or applications to automate data ingestion, transformation, and migration processes.
* Collaborating with data analysts, scientists, and stakeholders to understand data requirements and implement effective data solutions using **BigQuery** and **Python**.
* Writing **SQL** queries using **Python** to retrieve and manipulate data stored in **BigQuery**.
* Designing and implementing data visualization and reporting solutions using **Python** libraries such as pandas, matplotlib, or seaborn.
* Designing and maintaining data infrastructure and pipelines for collecting, storing, and processing financial data using **Data Science assets**.
* Building and optimizing databases and data warehouses to support **data science** and analysis activities.
* Ensuring data quality, integrity, and security throughout the data lifecycle.
* Collaborating with data scientists and quantitative analysts to integrate data sources and streamline data access for analysis.
* Staying updated on emerging technologies and tools for **data management** and processing.

**Environment:** MS SQL Server 2018, Power BI, SSIS, Matillion, DBT, Snowflake, FiveTran, TFS, T-SQL, Python, HVR, SQL Profiler, Azure, Tableau 9, Visual Studio, OMS, Power BI Desktop, Team Foundation Server, Azure DevOps, Red Gate

**Client: US Xpress, Chattanooga, TN Oct 2020 to Dec 2021**

**Role: SQL BI Developer**

**Responsibilities:**

* Gathered requirements, analyzed, and developed detailed design document including technical specification.
* Design & implement migration strategies with Azure suite: Azure SQL Database, Azure Data Factory (**ADF**) V2, Azure key Vault, Azure Blob Storage.
* Created end to end Data pipelines using **ADF** services to load data from On-prem to Azure SQL server for **Data orchestration**.
* Design and identify stored procedures, packages and functions for best practices, enhanced features, and better performance.
* Extensively used T-SQL in constructing views, indexes, CTE’s, User defined functions and data integrity.
* Identifying and troubleshooting issues and supporting ongoing process with SQL stored procedures and SSIS.
* Developed and Deployed **SSIS** packages from source tables and Excel file to the target SQL Server tables.
* Created SSIS packages for Data Conversions from raw files like Excel, Flat file sources to the SQL Server databases using various transformations like Conditional split, Derived columns, Lookups to perform ETL.
* Created Stored procedures for conversion process using intermediate tables for **mapping data** from source to the destination in Databases.
* Creating stored procedures used Dynamic SQL and User Defined Functions for the Data conversion as per the business requirement.
* Created complex SSIS Packages to perform ETL for the Customer, Vendor Data for **migration** from Excel, Oracle DB tables to SQL tables.
* Involved in analyzing the process of Software Development Life Cycle (SDLC) based on the business requirements by understanding functional workflow of system from source to destination.
* Worked to populate audit **error reports** creating SSRS and to match the Daily Sales and Daily Journals Entries from legacy system to Workday Integration.
* Experienced implementing **performance tuning** method using error handling, Error logging, re-running of failed SSIS packages using checkpoints.
* Used **On-post execute** and **On-error** event handlers to update each task logging in SSIS log table.
* Developing and deploying, scheduling jobs for SSIS packages to SQL Server tables.
* Created stored procedures with **Data Quality Scripts** for Data Integrity check using Mapping Tables from legacy system to new system following integrations created in Workday.
* Performed **UAT** and **QA** Testing supporting other projects in various test case scenarios following the business requirements.
* Scheduled SQL agent jobs for daily service run to post the data from date to date and **monitoring** to find and investigate the errors.
* Designed business analysis document with Excel pivot calculations for Data Analysis and configure the estimations.
* Designed, developed, tested, and maintained Tableau functional reports based on user requirements.
* Documented the conversion process, functional changes, and validated technical documentation.

**Environment:** SQL Server 2014/2016, T-SQL, SSIS, SSRS, Azure, Tableau, Excel, XML, Visual Studio 2015, Microsoft Teams, SharePoint, TFS, GIT.

**Client: HSBC India Pvt Ltd, Hyderabad, India August 2016 – June 2020**

**Role: Data Engineer**

* Used **SSIS** transformation for Data Cleansing to remove unnecessary columns, eliminated redundant and inconsistent data and Unnecessary Data like removing empty rows.
* Managed up gradation of **DTS packages** to **SSIS** packages.
* Involved in analyzing **MS SQL** server (storage, memory, processing) and their dependencies/performance bottlenecks.
* Worked on **Client/Server** tools like **SQL** Server Enterprise Manager and Query Analyzer to Administer **SQL** Server.
* **Designed** and **maintained** **Tableau 10.3 reports** used to graphically analyze business data.
* Installed, configured, maintained **Tableau Environments**, DEV, QA, and Production.
* **Designed and published** visually rich and intuitively interactive **Tableau workbooks and dashboards for executive decision making.**
* Worked on creating visualizations using custom **hierarchies**, **groups** and **merged** **data** from multiple sources using the **data** **blending** technique with in the tableau workbook.
* Worked on Creating calculations and parameters to change data dynamically.
* **Generated Tableau Dashboards** with Oracle Essbase multidimensional database.
* Used filters, quick filters, sets, parameters and calculated fields on **Tableau reports.**
* Involved in Business requirement gathering, Technical Design Documents, Business use cases and Data mapping.
* Integrated REST service **APIs** (over 100+) user calls for insurance policy look ups, claim processing, special APIs created for high speed lookups for insurance actuary tables (Gigaspaces XA) in-memory cache.
* Built **API** to store and retrieve information from server database using MySQL.
* Created multiple reports **(SSRS)** in **Drill mode** using tables, **financial** tables, **crosses tabs** and **chart.**
* Designed and implemented Parameterized and cascading parameterized reports using **SSRS.**
* Create **Power BI**reports using different visualizations like a **bar** **chart**, **Pie** **chart**, **heat** **map**, **Map**, **Donut**, **Gauge**, **table** **matrix**, etc
* Design data architecture structures necessary to support **BI**initiatives to support **Power BI** reporting.
* Create, Maintain or Enhance the **Power BI**reports using advanced **DAX** and **SQL**.
* Create measures, **columns**, actions, **KPIs**, etc. when required. Modify existing reports to support the enhancements.
* Implement Row Level Security (RLS) on existing or new **Power BI**reports and builds a reusable security model.
* Created **Drill-through**, **Drill-down**, **Cross Tab Reports** and **Sub-Report** using **RDL**. **Created reports** that call **Sub reports in SSRS**.
* Designing and implementing new features and functionalities within the **OMS** platform.
* Writing clean, efficient, and maintainable code using programming languages such as Java, C++, or Python.
* Collaborating with cross-functional teams, including business analysts and stakeholders, to gather requirements and translate them into technical solutions for **Blackrock** **OMS**.
* Conducting code reviews and ensuring adherence to coding standards and best practices.
* Testing and debugging the **OMS** software to identify and resolve issues.
* Integrating the OMS platform with external systems, such as trading platforms, market data providers, or other internal systems.
* Implementing data management solutions to handle large volumes of real-time and historical data within the **OMS** for **Blackrock**.
* Designing and optimizing data models and database structures for efficient storage and retrieval of trade-related information.

**Environment:** MS SQL Server 2016,2012, T-SQL, SSIS, SSRS, SQL Profiler, Rapid SQL (2016), Azure, Visual Studio (2017,2012), Tableau 9, Power BI, TFS (2016,2012), .Net, Data Lake, Data Factory, Active Directory, Stream Analytics, SQL Data Warehouse, Azure SQL DB.

**Client: Veritas Software Solutions, Hyderabad, India Oct 2012 – July 2016**

**Role: SQL Developer**

* Created complex **Stored Procedures** and Functions to support the front-end application.
* Created database **triggers** to implement business requirements.
* Monitored growth of database objects for capacity planning and involved in tuning the database and **T-SQL** queries using Explain Plan.
* Created and managed schema objects such as **tables, views, indexes, procedures, triggers** and maintaining Referential Integrity.
* Developed SQL scripts to **Insert/Update** and **Delete** data in **MS SQL** database tables.
* Developed and created data dictionary, advanced **queries**, **views**, **indices**, and functions for databases.
* Wrote database triggers in **T-SQL** to check the referential integrity of the database.
* Created the **MS DTS** packages for executing the required tasks. Created the Jobs and scheduled for daily running.
* Created reports from database onto **excel spreadsheet** using DTS.
* Involved in database management, performance measurement and performance tuning for new databases and existing databases by using **SQL Profiler**, **SQL Analyzer**, and **SQL Enterprise Manager**.
* Involved in creating Users and **Roles**, and managing security and permission of database, **managing Jobs** and **error logs**.
* Designed **DTS/SSIS** packages to export and import data from **SQL** Server to MS Access, Oracle**10g**, text **files** and **Excel files**.
* Used **SSIS** transformation for Data Cleansing to remove unnecessary columns, eliminated redundant and inconsistent data and Unnecessary Data like removing empty rows.
* Managed up gradation of **DTS packages** to **SSIS** packages.
* Involved in analyzing **MS SQL** server (storage, memory, processing) and their dependencies/performance bottlenecks.
* Worked on **Client/Server** tools like **SQL** Server Enterprise Manager and Query Analyzer to Administer **SQL** Server.
* Involved in designing high level dashboards according to business requirement using **SSRS** 2005.
* Expertise in **creating Reports**, **Sub Reports**, drill **down** reports using various features like **Charts**, **filters** etc. Experienced in developing stored procedure driven reports, building custom application on reports and formula writing/editing in reports.
* Formatted the reports using **Global variables**, **Expressions** and **Functions** using **SSRS** 2005.
* Generated periodic reports based on the statistical analysis of the data using **SSRS** 2005.
* Designed **SSRS** reports with sub reports, **dynamic sorting**, defining data source and subtotals for the report.
* Developed Reports to **generate daily**, weekly, **monthly**, **quarterly**, yearly Reports using **Crystal** Reports.

**Environment:** MS SQL Server 2008, MS SQL Server 2005, **SSIS**, SSRS, DB2, Oracle 9i, ASP, ODBC, VBScript, Windows 2000/XP.

**Education:** Bachelor’s in Computer science - JNTU, Hyderabad, India. (2012)