

Harichandana

SQL/Power BI Developer

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PROFESSIONAL SUMMARY:

- 5+ years of IT Experience in designing databases and applications of MS SQL Server. Work experience in the area of **SQL Development**, integration Development using Microsoft tools like **POWER BI, SSIS, SSRS, SSAS**.
- Experienced in client requirement Analysis, Physical, Logical design, development (using Erwin, normalization and SQL Server Enterprise manager), Resource Planning, Debugging, Deployment, Support and Maintenance of business applications using **Power BI, SQL Server, DTS, SSIS, SSAS** and **SSRS** 2019/2017/2016/2014.
- Experience with Relational and Dimensional data modelling using **ERWIN**, understanding of Ralph Kimball and Bill methodology for Dimensional Modelling, Star
- Thorough understanding of DW concepts like **Facts, Dimensions, Surrogate keys, drill down and drill across approach**.
- Experienced in Installing, Upgrading and Configuring Microsoft SQL Server 2019/2016/2014.
- Expert in **TSQL DDL/DML**, perform most of the SQL Server Enterprise Manager and Management Studio functionality using T-SQL Scripts and Batches.
- Experience in writing complex SQL queries involving multiple tables inner and outer joins.
- Strong knowledge in Power BI using SQL Server 2019/2016/2014.
- Experience in Creating Tables, Views, Triggers, Stored Procedures, Power BI User Defined Functions and other T- SQL statements for various applications.
- Worked Extensively on **ETL** process using **SSIS package**.
- Excellent in Data Extraction, Transforming and Loading (**ETL**) using **SQL Server Integration Services (SSIS)**, DTS, Bulk Insert, **BCP**. Extensively worked with **SSIS** tool suite, designed and created mappings using various SSIS transformations like OLEDB Command, **Conditional Split, Lookup, Aggregator, Multicast** and **Lookup**
- Excellent in creating SSIS Packages for integrating data using **OLE DB** connection from heterogeneous sources by using multiple transformations provided by SSIS such as Data Conversion, Conditional Split, Bulk Insert, merge and union all.
- Expert in creating various type of reports such as Complex drill down & drill through reports,
- Matrix reports, Sub reports and Charts using **SQL Server Reporting Services (SSRS)** based on Relational and OLAP databases.
- Absolute knowledge of software development life cycle, database design, RDBMS, data warehousing and data modelling concepts.
- 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.
- Created data using **SQL Server Integration Services (SSIS)** and coordinated with ETL developer team to ensure data extracted, transformed and loaded according to the specified requirements.

- Experience in developing Multidimensional and tabular model using **Star and Snowflake schema** using **DAX and MDX queries**
- Developed OLAP Cubes with Partitions, perspectives using SQL **Server Analysis Services (SSAS)**.
- Experience in working with **GIT, Bit bucket Version Control System**.
- Extensive experience working in a Test-Driven Development and **Agile-Scrum Development**.
- Involved in daily **SCRUM** meetings to discuss the development/progress and was active in making scrum meetings more productive.
- Collaborated with cross-functional teams to gather requirements and specifications for enhancing Excel-based audit tools, leveraging feedback to continuously improve functionality and usability.
- Excellent Communication skills, Interpersonal skills, problem solving skills and a team player. Ability to quickly adapt new environment and technologies

➤ **Technical Skills:**

RDBMS	MS SQL Server 2019/2016/2014/2012/2008/2008R2, MS Access, Sybase Server
Programming Languages	C, C++, T-SQL, VB scripts, Python
Tools & Packages	SQL Server Management studio, Enterprise Manager, Profiler, Business Intelligence Development studio (BIDS), DTS, ETL, Visual Studio .NET, TOAD
BI Tools	SQL Server Reporting Services (SSRS), SQL Server Integration Services (SSIS), Data Transformation Services (DTS), SQL Server Analysis Services (SSAS), MS Visio, Power BI
Application Packages	Microsoft Office Suite, MS Outlook, Microsoft Office SharePoint Server (MOSS) 2007, Microsoft Performance Point Server 2007, ProClarity
Operating Systems	Windows 10/8.1/8/7/XP, Windows Server 10/8.1/8/7/XP
Web Technologies	HTML, XML, Xpath

Professional Experience:

- **Client: Transamerica, Cedar Rapids, IA**
- **Duration: March 2024 - Present**
- **Role: SQL/Power BI Developer**

Responsibilities:

- Actively participated in interaction with users, technical manager to fully understand the requirements of the system.
- Experience in developing Reports, Charts, and Dashboards using Power BI Desktop and managing security based on requirements
- Import data from different data sources to create Power BI reports and Dashboards.

- Wrote several SQL Scripts such as finding tables that have Identity Columns, finding tables that do not have primary key.
- Used Joins, correlated and non-correlated sub-queries for complex business queries involving multiple tables from different databases and implemented triggers and stored procedures and enforced business rules via checks and constraints.
- Created indexes on selective columns to speed up queries and analyses in SQL Server Management Studio.
- Reduced the T-SQL overhead successfully by avoiding unnecessary use of the UNION, statement using the TOP operator to limit the Select Statement in certain Queries.
- Created views to restrict access to data in a table for security.
- Installed and Configured Enterprise Gateway and Personal Gateway in Power BI Services.
- Created different chart types and drill-down reports using Power BI Desktop (SSRS).
- Direct and/or execute the technical characteristics of the overall strategy of the data warehouse and ETL process.
- Work closely with IT and the Business group to understand business reporting requirements and analyse logical model, and develop subject matter expertise in a short time.
- Facilitate Joint Application Development (JAD) sessions for gathering requirements for building a data warehouse and data marts.
- Analysed the data using Statistical features in Power BI to develop trend analysis and published the reports on the Power BI Services.
- Created measures, calculated columns, and performed time series analysis using DAX in Power BI
- Participate in development and execution of tactics and strategies to optimize data quality in data warehouse, and OLAP environment.
- Create and design logical and physical data models using ERWIN– identify entity its relationships and define the project's informational needs. Design Source to target mapping as per the requirement of the client and business rules to load the data from ODS to Data Warehouse.
- Defines and captures metadata and rules associated with ETL processes
- Review and analyse database performance, cubes and reports generated using SQL SERVER 2019 Reporting Services.
- Automated repetitive tasks and enhancing productivity by developing Excel macros and utilizing Visual Basic for Applications (VBA) to streamline processes and improve data handling capabilities.
- Imported data into Excel from various sources such as CSV files, databases, and web services, and proficient in exporting Excel data to different formats for sharing and collaboration purposes, ensuring seamless data exchange across platforms.
- Developed comprehensive documentation outlining the financial project requirements, including data sources, key metrics, and reporting formats, ensuring clear communication and alignment with stakeholders.

Environment: SQL Server 2014/2016/2019, SSIS, SSRS, SSAS, Power BI Desktop, C#, XML, HTML

- **Client:** CorVel, Irvine, CA
- **Duration:** June 2023 - February 2024
- **Role:** MS SQL/BI Developer

Responsibilities:

- Developed SQL Queries to fetch complex data using Inner/Outer joins, sub-queries, CTE, Tally tables accommodating complex filters and database links.
- Generated multiple Enterprise reports (SSRS/Crystal/Impromptu) from SQL Server Database (OLTP)
- SQL Server Analysis Services Database (OLAP) and included various reporting features such as group by, drilldowns, drill through, sub-reports, navigation reports etc. Created reports.
- Reviewed many T-SQL issues using management studio for better performance.
- Working on various SSRS reports which are already existed.
- Modifying the old reports and adding subscriptions
- Automated the old manual reports and getting the updated data from app tracker from the site location.
- Developed complex DAX Queries to generate computed columns.
- Designed Dimensional Modelling using SSAS packages for End-User. Created Hierarchies in Dimensional Modelling
- Used Publishing Report Parts feature of newly released SQL Server 2019 and deploy the various report items like charts, maps, images, graphs, tables etc. to the report server along with the reports.
- Expert in designing reports using SQL server reporting services (SSRS) Excel power pivot table base on OLAP Cubes.
- Wrote T-SQL queries using inner join, outer join, and self joins, merge join. Also implemented functionality for removing duplicate records like using CTE and ranking function
- Utilized T-SQL daily in creating custom view for data and business analysis.
- Interacted with business users to develop Key Dimensions and Measures for various Key Performance Indicators, using SQL Server Analysis Service (SSAS).
- Created subscriptions to provide a daily basis reports.
- Used SSIS to create ETL packages (.DTSX files) to validate, extract, transform and load data to data warehouse databases, data mart databases.
- Developed the necessary project plan based on Agile Principles, timelines and schedules related to client infrastructure and workflow needs for the scope of the project
- Worked on SSRS in SharePoint Integrated Mode. Created SSIS Packages from various data sources.
- Experience in Developing and Extending OLAP Cubes, Dimensions and data source view.
- Extracting the data from the different sources (CSV files, and MS SQL 2014) and stored the data into the intermediate Staging Database using the SSIS ETL tool.
- Developed complex stored procedure using T-SQL to generate Ad hoc reports using SSRS.
- Scheduled the Reports to run on daily and weekly basis in Report Manager and also email them to director and analysts to review in Excel Sheet.
- Worked on T-SQL programming, stored procedures, user-defined functions, cursors, views setup and management of linked servers to Non-SQL-Server databases.
- Developed and maintained financial models in Excel to forecast revenue, budget expenses, and evaluate investment opportunities, contributing to informed business decisions.
- Built robust data models in Excel to analyse historical trends, forecast future outcomes, and perform scenario analysis, enabling informed decision-making and strategic planning.

- Designed and implemented standardized templates and procedures for monthly audits using Excel, streamlining the auditing process and ensuring consistency and accuracy across audits.

Environment: - Microsoft SQL 2014 and 2012, Parallel Data Warehouse (APS), SSIS, SSRS.

- **Client: Fortis Healthcare, India**
- **Duration: August 2018 – November 2021**
- **Role: MS SQL Server/SSIS/SSRS Developer**

Responsibilities:

- Participated in company's migration 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
- Developed a comprehensive reporting environment utilizing data from multiple sources and creating analysis using SQL Server Reporting Services (SSRS).
- Used **SSIS** transformation for Data Cleansing to remove unnecessary columns, eliminated redundant and inconsistent data and Unnecessary Data like removing empty rows.
- 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 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.
- Documented audit findings and recommendations in Excel reports, providing actionable insights to management and supporting decision-making processes to improve financial controls and compliance.

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

➤ **EDUCATION:**

Master's In Computer Science from University Of Central Missouri, MO 64086.