BShree
Power BI/Data Analyst/SQL Developer
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PROFESSIONAL SUMMARY:

- With over 9+ years of experience in Business Intelligence and Data Analysis, Power BI Developer, SQL/BI Developer.
- I excel in designing, analyzing, implementing, and administering BI solutions. My expertise spans a broad range of tools and technologies.
- Expertise in SQL Server, SSIS, SSRS, SSAS, SSMS, Power BI, QlikView, Tableau, and Snowflake.
- Skilled in developing comprehensive Power BI dashboards, writing advanced DAX, and configuring data gateways for seamless data integration.
- Advanced knowledge of SQL Server, Azure SQL Database, Oracle, and PostgreSQL, with a strong focus on data modeling and creating SQL server objects.
- In-depth understanding of data warehousing concepts, data transformation, and ETL processes, ensuring efficient data flow and accuracy.
- Proven ability in performance tuning of databases and BI systems to optimize query performance and resource usage.
- Designed and deployed BI solutions, including integration of Power BI dashboards with ServiceNow for seamless reporting and data visualization.
- Proficient in leveraging Azure services such as Data Factory, SQL Database, and other cloud-based data solutions for scalable and robust BI applications.
- Hands-on experience with SQL Server Integration Services (SSIS) for ETL, SQL Server Reporting Services (SSRS) for report generation, and SQL Server Analysis Services (SSAS) for OLAP solutions.
- Experience in Error and Event Handling, Precedence Constraints, Break Points, Check Points, Logging, Archive data files from different legacy systems using on SQL Server 2005/2008/2012 environment, and deploy the data, Scheduled the jobs to execute these tasks periodically.
- Experience in Performance Tuning, Query Optimization, Client/Server Connectivity, and Database Consistency Checks.
- Expertise in developing different types of reports like line chart, bar charts, Pie chart, Table, Drill through, calendar type reports, donut reports, drill down reports, matrix reports etc.
- Experience in implementation of dynamic calculations using the DAX functions like calculate, filter, min, max, sum, count, MTD, QTD, YTD, and Cumulative Total etc.
- Expertise in Publishing the Reports into Power BI Service and Sharing the Dashboards to the Users.
- Integrated on-premises data sources with cloud-based platforms using a hybrid approach, utilizing SSIS for on-premises data integration and ADF for cloud-based data integration, ensuring seamless connectivity and data flow between environments.
- Developed reports and dashboards using SQL Server Reporting Services (SSRS), Tableau, and MS Power BI.
- Expertise in Developing custom MDX queries for real-time analysis of business performance metrics, enabling dynamic reporting across time periods, regions, and product categories.
- Proficient in SQL querying on Relational Database systems like MySQL, MSSQL, Oracle.
- Expertise in Creating roles to implement Static and Dynamic ROW LEVEL SECURITY[RLS] For the Reports.

- Implemented data quality checks, error handling, and monitoring mechanisms within SSIS packages and ADF pipelines to ensure data integrity, reliability, and compliance with business requirements and industry standards.
- Experienced in Agile/Scrum methodologies, ensuring effective project management and timely delivery of BI projects.
- Competent in integrating BI solutions with various RDBMS systems, facilitating seamless data exchange and reporting across platforms.
- Adept at generating and interpreting reports for statistical analysis, enabling data-driven decision-making.

TECHNICAL SKILLS:

RDBMS	PL/SQL, T-SQL, Oracle, MS SQL Server
Data Warehousing/BI Tools	SQL Server Business Intelligence Development - SSIS, SSAS, SSRS, DTS, Power BI, Tableau, QlikView, Looker, ETL
Programming Languages	SQL, PLSQL, TSQL, C, C++ , Python, DAX, and Perl.
Web Technologies	HTML, CSS, XML, JavaScript, PHP, and Shell Scripting.
Data Modeling	Erwin, MS Visio, TFS, Visual Source Safe, Sub Version
Operating Systems	Windows Variants
Methodologies	Star Schema, Snow-Flake Model, UML

PROFESSIONAL EXPERIENCE:

Client: World Bank, DC   **Aug 2022 – Till Date**
Sr. Power BI Developer

Responsibilities:

- Conducted requirement analysis and reviewed reporting database enhancements for enterprise-level clients.
- Created and maintained database objects such as schemas, tables, views, stored procedures, triggers, and functions.
- Involved in data migration project from legacy warehouse to Cloud (Azure and snowflake).
- Converted legacy reports made using SSRS into Power BI reports using existing business logics and some new reports generated.
- Designed SQL extracts to support SSIS packages for automating the data extraction and harmonization process.
- Optimized and troubleshooted SQL Server Integration Services (SSIS) packages to implement complex ETL processes.
- Transformed, defined, navigated the data from data source and perform merge and append queries using Power
- Query. Performed transformations like Pivoting, Unpivoting and Splitting of the columns using Power Query.
- Defined and implemented financial billing triggers, incorporating complex algorithms to ensure accurate invoicing for monthly cycles.
- Designed test plans and executed unit, system, and performance testing, resolving 95% of identified defects pre-production.

- Developed a real-time SLA compliance dashboard in Power BI integrated with ServiceNow data, enabling proactive issue resolution.
- Implemented dynamic selection of development and production environments in SSIS Packages using environment variables.
- Created SSIS Packages for incremental loading and slowly changing dimensions.
- Designed and implemented API and data integration solutions using Connect and SSIS.
- Conducted unit testing to identify and fix defects during development, ensuring smooth deployment in production environments.
- Used DAX and calculated columns to track and visualize SLA breaches, enabling faster resolution.
- Proactively developed features like dynamic report filters, enabling clients to customize views and improve insights for SLA tracking.
- Developed and published interactive reports and dashboards using Power BI, employing effective DAX formulas and expressions.
- Designed Power BI data models with multiple fact tables and dimensions based on business requirements.
- Utilized Microsoft Graph API for integrating Power BI with other applications.
- Created and maintained source-to-target mappings and implementation documents to support the ETL development process.
- Performed performance tuning of complex SQL queries, utilizing techniques like table partitioning, hints, and indexes.
- Leveraged MDX and DAX to deliver customized reports and dashboards aligned with client needs.
- Analyzed and fixed defects/issues reported in the production environment during deployment and support.
- Provided proof of concept and technical guidance to the development team.
- Interacted with different project teams to finalize the release scope for project delivery.
- Utilized GIT for source control, ensuring data integrity and version management across multiple data projects.
- Worked with JIRA/DevOps for project planning and issue tracking.
- Developed technical enhancements, system documentation, and implemented procedures for quality improvement.

Environment: Power BI, DAX, Azure, Power BI Gateway, Power Query, MS SQL Server 2016/2014/2012/2008 R2, MS Excel, Team Foundation, SSIS, SSRS, SSAS, Snowflake, Report builder.

Client: Syntel	Dec 2021 – May 2022

Power BI Developer

Responsibilities:

- Developed all the visualizations which are requested by the business users using Power BI.
- Designed and modeled datasets with Power BI desktop based on measure and dimension requested by customer and dashboard needs.
- Created various Power BI Visualizations stacked Bar charts, tabular format, Line chart, Area chart, Tree Map,
- Card, KPI, Funnel, Pie & Donut charts.
- Used different types of Filters in Power BI like Visual level Filter, Page level Filter, Report level Filter, Drill-through filter, and Slicer. Also created bookmarks.
- Developed interactive visuals, KPI scoreboards using Power BI Desktop application in writing complex DAX functions to generate reports based on Daily, Monthly & Yearly data.

- Created rich Power BI visualizations, DAX queries and work with Power Query, M code language for data integration and transformation as per the business requirement.
- Installed and configure Power BI Gateways to keep the dashboards and reports refreshed automatically.
- Scheduled the data refresh for dashboards and reports to show.
- Worked on Performance Tuning of the Power BI reports and implemented techniques to improve performance.
- Participated in the configuration of on-premises Power BI gateway to refresh datasets of Power BI reports and dashboards.
- Extensively involved in designing the integration part to flow the data form one system to another by interacting with the business users from multiple systems.

Environment: Power BI, DAX, Power BI Gateway, Power BI Apps, MDX, MS SQL Server 2016/2014/2012/2008 R2, MS Excel, JSON, Windows 8/10, JIIRA, SSRS, SSAS

Client: Accenture (Farmers Insurance)	Mar 2018 – Dec 2021

Data & Reporting Analyst

Responsibilities:

- Developed and documented a comprehensive Power BI architecture for organization-wide BI implementation, including customized scorecards and dashboards to align with departmental and managerial requirements.
- Implemented DAX functions within Power BI for precise data calculations and visualization, enhancing data-driven decision-making.
- Generated monthly reports and budget analyses using SSRS to facilitate production planning and forecasting, and managed deployment of SSIS packages and reports to production servers ensuring smooth execution and availability of data insights.
- Designed and optimized complex MDX queries to retrieve and analyze multidimensional data from OLAP cubes, improving reporting accuracy and performance by 30%.
- Modified SSIS packages, integrating stored procedures to adapt to evolving business needs, and enhanced functionality with features like Conditional Split, Lookup, Multicast, and Derived Column.
- Leveraged MDX to create and manage advanced reports, implementing cross-dimensional filters and aggregations to support decision-making for finance and operations teams.
- Designed intricate SSIS packages integrating JavaScript tasks for extended functionality and developed packages for XML-based Business to Business data exchange, including error handling and reporting mechanisms.
- Scheduled and automated SSIS package execution for streamlined data extraction from OLTP to OLAP systems, and applied experience with SSAS, OLAP cube, Data mining, and architecture to optimize data analysis processes.
- Extracted, Transformed, and Loaded data from Source Systems to Azure Data Storage services utilizing Azure Data Factory, T-SQL, and U-SQL Azure Data Lake Analytics.
- Ingested data into Azure Services (Azure Data Lake, Azure Storage, Azure SQL, Azure DW) and processed it within Azure Databricks, designing pipelines and scheduling jobs using Azure Data Factory for efficient data movement.
- Generated graphical reports using Python packages like NumPy and matplotlib to present data insights, supporting advanced data analysis and visualization needs.
- Developed and maintained data warehousing solutions in Snowflake, optimizing performance and ensuring data integrity across various business functions.

- Utilized Tableau to create interactive and insightful dashboards, enabling stakeholders to explore and interpret complex datasets effectively.
- Optimized MDX query performance by restructuring calculations, reducing execution time by 25% and improving responsiveness in enterprise-wide reporting solutions.
- Collaborated with data teams to build and troubleshoot OLAP cubes and write efficient MDX queries that met the needs of dynamic dashboards and KPI-driven reports.
- Integrated data from diverse sources into Snowflake using Snow pipe and custom ETL processes, ensuring seamless data flow and real-time analytics capabilities.

Environment: Power BI, DAXMDX, MS SQL Server 2016/2014/2012/2008 R2, Python, Azure Storage, Azure SQL, Azure Data Factory, Azure Data Lake, MS Excel, JSON, SSRS, SSIS, SSAS

Client: Ernst and Young	June 2017 – Mar 2018

SQL/BI Developer

Responsibilities:

- Created database Views to simplify data access and conceal sensitive information from end users.
- Developed intricate T-SQL programs, including Stored Procedures, Triggers, and Queries, optimizing for best execution plans.
- Rewrote SQL queries to enhance SQL Server performance, upgrading from SQL Server 2005/2008.
- Designed User Defined Functions to encapsulate frequently used business logic, enhancing system modularity and security.
- Defined Check constraints, Business Rules, Indexes, and Views to ensure data integrity and optimize query performance.
- Utilized SSIS Import/Export to migrate heterogeneous databases (e.g., Oracle, Access) and flat files to SQL Server 2008.
- Optimized Stored Procedures and long-running queries through indexing strategies and query optimization techniques.
- Contributed to the development, maintenance, enhancement, and support of applications.
- Managed the migration of DTS packages to SSIS packages for ETL processes.
- Developed, monitored, and deployed SSIS packages for data integration tasks.
- Executed data migration tasks across different databases (e.g., Oracle, MS Access) and flat files using SSIS.
- Leveraged BCP utility to export table data to text files for various purposes.

Environment: SQL Server 2008, SSIS, Oracle, SQL Profiler, DTA, Erwin, Windows Server, Team Foundation, HTML.

Client: Value Momentum	May 2015- June 2017

SQL Developer

Responsibilities:

- Responsible for the analysis, design, and development of large databases, including the creation of database tables, table relationships, and schema structures to solve complex business problems.
- Developed and optimized complex SQL scripts and statements, including joins, subqueries, and correlated subqueries, to insert, update, delete, and retrieve data efficiently from MS SQL database tables.
- Created and maintained complex stored procedures, triggers, functions, indexes, and views, as well as other T-SQL code, to support application requirements and enhance database performance.

- Developed, enhanced, and deployed SSIS packages from development to production servers, including scheduling jobs for daily, weekly, and monthly database updates.
- Managed data loading from source flat files and RDBMS tables to target tables using SQL Loader, ensuring adherence to business requirements and rules.
- Tuned ad-hoc queries and stored procedures by creating indexes and optimizing joins to improve query performance and overall database efficiency.
- Created and deployed reports using SQL Server Reporting Services (SSRS), including the development of queries for generating drill-down reports and configuring report filters.
- Configured SQL mail agent for automated email notifications regarding the success or failure of SSIS packages and implemented monitoring and rollback techniques to ensure data integrity and process reliability.

Environment: SQL Server 2008, SSIS, Data Modelling, SQL Profiler, DTA, Erwin, Windows Server, Team Foundation.

ACCOMPLISHMENTS AND REWARDS:

- Awarded the Accenture Rising Star award for my quick learning skills.
- Received Accenture Celebrates Excellence (ACE) award for my work on SSIS.