**Shweta Erukulla**

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**Senior Power BI Developer**

**SUMMARY:**

* 8+ years of experience in Business Intelligence (Power BI desktop, Power BI desktop Pro, Power BI Service, Power BI report server, Tableau), and other related IT development technologies like MS BI Stack (MS SQL Server, SSIS, SSAS, SSRS), and MS Excel PowerPivot.
* Strong understanding of project life cycle and SDLC methodologies including RUP, RAD, Waterfall and Agile.
* Experience in facilitating Joint Requirement Planning JRP sessions with Business User Groups, conducting Joint Application Development JAD sessions with IT Groups.
* Experience in conducting Gap Analysis, creating Use Cases, workflows, screen shots and Power Point presentations for the Web Applications.
* Experience with Data Analysis, Data Modelling and Data presentation and importing data from SQL Server, Oracle DB to Power BI to generate reports.
* Experience in developing report such SQL Server Reporting Services (SSRS), SSAS, MDX, DAX, Power BI, CUBES, SQL Server Integration Services (SSIS), DTS Packages and Performance tuning.
* Expertise in Power BI, Power BI Pro, Power BI Premium.
* Expert in generating on-demand and scheduled reports for business analysis or management decision using SQL Servers Reporting Services (SSRS), Tableau and POWER BI.
* Experience in generating On-demand and Scheduled reports for management decision and business analysis by using SSRS.
* Hands on Experience in optimizing the SAP BO queries by creating various clustered, non-clustered indexes and indexed views.
* Experience in developing custom reports, and different types of Tabular Reports, Matrix Reports, Ad-hoc Reports, Drilldown, Parameterized, Cascading, Conditional, Table, Matrix, Chart, and Sub Reports using SQL Server Reporting Services (SSRS).
* Skilled in creating measures, calculated columns and performing time series analysis using DAX in Power BI.
* Experience in creating Excel reports, Dashboards & Performing Data validation activity VLOOKUP, HLOOKUP, Macros, formulas, index match, Slicer with (Pivot table, Get Pivot Data, Dashboards), Power View, Power Map and Heat Map.
* Experience in providing continuous development and maintenance of bug fixes for the existing and new Power BI Reports.
* Experience in maintaining and managing Tableau and POWER BI-driven reports and dashboards. Working with DAX formulae for creating variables like Previous Month, Previous Quarter, etc. and creating interactive visuals using geographic data.
* Creating relationships between different tables from different data sources.
* Experienced as working on Power BI Admin Portal to manage users, capacities, Audit logs and tenants.
* Expertise in installing, configuring, upgraded Enterprise gateway as well Personal gateway.
* Experience in the integration of various data sources such as SQL Server, Oracle, XML files, and various types of flat files.
* Experience with T-SQL in creating Stored Procedures, Tables, joins, Triggers, User Function, Views, with Queries using PL/SQL, T-SQL programming in Oracle and SQL Server database.
* Extensively worked on the ETL mappings, analysis, and documentation of OLAP reports and Dashboard requirements.
* Knowledge of R and Python language for gathering data and analyzing the data.
* Experience in Tuning SQL queries and T-SQL queries and improving the performance of the queries.
* Experience in Dimensional Data Modelling like star schema, snowflake schema, Fact and Dimension tables using ERWIN.
* Expert in Extracting, Transforming and Loading (ETL) data flows using Informatica, creating data mappings/workflows to extract data from SQL Server and other sources like Oracle to load into various Business Entities
* Importing data to PowerBI from various sources.
* Good working knowledge on Cloud technologies Azure.
* Creating complex Custom Views using Toad and SQL Developer to create data sets for Power BI dashboards.
* Creating powerful calculations, key metrics, and key performance indicators (KPIs).
* Good knowledge of defining, developing, and deploying Star Schema, Snowflake Schema and Dimensional Data modelling using MS SQL Server Analysis Services (SSAS) on EDW.
* Hands on experience in Monitoring and debugging Premium capacities using Power BI Premium capmetric app.
* Proficiency in Data Modeling and Dimensional Analysis.
* Effective liaison between Business Analysts, Developers, Quality Assurance, Systems Support and Customers/Users with a reputation for timely resolution of issues and a drive for business results.
* Experience in communicating with stakeholders, Subject Matter Experts (SMEs), and end-users to better understand, analyze, communicate, and validate requirements.
* Expertise in creating and managing Indexes to achieve better query performance.
* Well experienced with UNIX shell scripting.
* Good team player with excellent communication and documentation skills.

**TECHNICAL SKILLS:**

**Reporting Tools** - Power BI Desktop, Power BI Service, Power BI Gateway, and Power BI Report Server.

**ETL Tools** - Informatica Power Center 8.6, Designer, Workflow Manager, and Workflow Monitor, Repository Manager, SSIS.

**Programming Languages:**C, C++

**Denodo** – Denodo Objects, View, API

**Databases**– Microsoft Azure, ORACLE10g/11g, SQL Server 2005/2008 R2/2012/2014/2016/2019

**Languages** – Oracle PL/SQL, Shell Scripting, R Language, Python.

**Business Intelligence Tools:** (OLAP) - SSRS, SSIS, SSAS.

**Operating System** - Windows, UNIX, Mac OS.

Web Technologies: HTML 5/HTML, CSS3, CSS2, Bootstrap 3, JSON, XML

**Auxiliary Skills:** MS Office Suite, Microsoft Visio, IBM Rationale Rose, ER Modelling, Erwin

**Others:** Toad, SQL Developer, Git, Sublime Text, Notepad++, Eclipse, HP Quality Centre 11, Green Hat Tester, Soap UI Tool

**PROFESSIONAL EXPERIENCE:**

**Kaiser Permanente, TX , Remote Jun 21 to Till Date**

**Power BI Developer**

**Responsibilities:**

* Coordinated with business users in analyzing business requirements and translating them to technical specifications.
* Determined calculations to generate new fields in Power BI reports with Data Analysis Expressions (DAX) formulas.
* Used Power BI desktop to directly connect to database tables (Direct Query Mode).
* Utilized Query Editor to clean and format data and eliminate redundant information and append and merge tables from various data sources.
* Used various sources to pull data into Power BI such as SQL Server, SAP BW, Oracle, SQL Azure etc.
* Creating SSIS Packages for integrating data using OLE DB connection from sources (Excel, CSV, Oracle, flat file, Text Format Data) by using multiple transformations.
* Worked on all types of transformations that are available in Power BI Query editor.
* Designed reports based on business requirements and deployed the reports to workspaces to create dashboards for end user.
* Provided by SSIS such as Data Conversion, Conditional Split, Bulk Insert, merge union.
* Worked on Data Modeling with DAX using various Functions like Aggregate, Logical, Counting and Time intelligence functions.
* Established the SAP Business Objects connectivity with SAP BW system and Relational databases t implement the SAP Business Objects reporting requirement.
* Created Slicers and Filters to accurately depict information in visualizations according to the user’s needs.
* Created Page Level Filters, Report Level Filters, and Visual Level Filters in Power BI according to the requirements.
* Used SSRS to create reports, customized Reports, on-demand reports, ad-hoc reports and involved in analyzing multi-dimensional reports in SSRS.
* Developed reports by using different in-built visualizations Pie Chart, KPI, Card, Matrix Table, etc. in Power BI.
* Performed time series analysis using DAX expressions in Power BI.
* Created different Roles for different individuals and managed their access to reports and data by implementing the Row Level Security.
* Published Power BI Reports in the required originations and made Power BI Dashboards available in Web clients.
* Created hierarchies in Power BI to help end users make accurate decisions based on the visualizations.
* Experience in creating Dashboard and the Content Pack for the originations to get the updated Power BI Reports and added the refresh time for each tile in the dashboard.
* Installed, configured, and implemented both Enterprise gateway and Personal gateway in POWER BI service.
* Implemented Row-Level Security, restricted Sharing and Publishing, restricted Export and Printing
* Involved in developing stored procedures, Triggers and SQL Scripts for performing automation tasks.

**Frontier Communications, TX, Remote Apr 19 to May 21**

**Power BI Developer**

**Responsibilities:**

* Created databases and schema objects including tables, indexes and applied constraints, connected various applications to the database and written functions, stored procedures, and triggers.
* Generated periodic reports based on the statistical analysis of the data from various time frame and division using power pivot, power query, power view.
* Designed and developed Power BI graphical and visualization solutions with business requirement documents and plans for creating interactive dashboards.
* Worked extensively on SSIS Packages for extracting the data of the customers from OLTP, transform that data and load it into OLAP.
* Generated ad-hoc reports in Excel Power Pivot and shared them using Power BI to the decision makers for strategic planning.
* Designed SSIS Packages to extract, transfer, load (ETL) existing data into SQL Server from different environments for the SSAS cubes.
* Writing complex MDX &amp DAX formula Develop the complex Dashboard by showing %age values &hellip.
* Gathering the requirements and writing the ad-hoc SQL query batches to update the data and metadata for delta and history loads.
* Utilized (Power BI, Pivot/View) to design multiple scorecards and dashboards to display information required by different departments and upper-level management.
* Created data marts and multi-dimensional models like Star schema and Snowflake schema.
* Generated Sub-Reports, Drill down reports, Drill through reports and parameterized reports using SSRS.
* Implemented several DAX functions for various fact calculations for efficient data visualization in Power BI.
* Designed complex data intensive reports in Power BI utilizing various graph features such as gauge, funnel for better business analysis.
* Created interactive reports with SSRS, using the report parameters, query parameters, Filters and Expressions.
* Extensive use of DAX (Data Analysis Expressions) functions for the reports and for the tabular models.
* Designed/Developed table driven ETL process with Perl and shell scripts, which in turn calls OWB mappings, Informatica oracle code to load EDW.
* Created Power BI reports by using Joins in multiple tables from multiples database using complex SQL queries.
* Designed a Power BI data model with multiple fact tables and dimensions depending on the business requirements.
* Involved in custom visuals and groups creation in Power BI.
* Involved in scheduling refresh of Power BI reports, hourly and on-demand.
* Apply the Business rules on the data coming from multiple operating companies. Maintain the business rules in a table for visibility to all required processes to develop Power BI reports & effective dashboards.
* Load the processed data into final viewpoint centralized DWH for further Power BI reporting.
* Worked on Key Performance Indicators (KPIs), design of star schema and snowflake schema in Analysis Services (SSAS).
* Working with column store indexes, table partitioning in SQL SERVER 2012.
* Working with in-memory concepts of OLTP databases in SQL SERVER.
* Working with SSIS, for ETL process ensuring proper implementation of event handlers, loggings, checkpoints, transactions, and package configurations.
* Designed high level ETL architecture for overall data transfer from the source server to the enterprise services warehouse.
* Worked in creating complex stored procedures, SSIS packages, triggers, cursors, tables, and views and other SQL joins and statements for applications.
* Generated reports using global variables, expressions, and functions.
* Configured reporting services in SQL Server.
* Created different power pivot reports as per the client requirement.
* Gathered data and visual requirements from business users to deliver effective reports, dashboards, and analytics.
* Involved in creating multidimensional cubes using SSAS and designing DW schemas.
* Involved in implementing Key Performance Indicator (KPI) Objects in SSAS 2008. Create Calculate member in MOLAP cube using MDX in SSAS 2008.
* Involved in designing, building the dimensions, cubes with star schema using SQL Server Analysis Services (SSAS) for analyzing purpose.
* Performance tuning of multiple databases by fixing indexes, table partitioning, usage of temp tables, CTE’s, redesigning schemas and many more.
* Also, went through query execution plans, SQL profilers and did query optimization.
* Involved in performance tuning using indexing (Clustered Index, Non-Clustered Index) tables.
* Created different Power Pivot reports as per the client requirement.
* Created calculated measures and dimension members using multi-dimensional expression (MDX).
* Worked closely with the team in meeting the deadlines pertaining to design and development deliverables.

**CIT Bank, NYC, NY Nov 17 to Mar 19**

**Power BI Developer**

**Responsibilities:**

* Extensively worked with Business Analysts and Data modelers in analysis of business requirements.
* Used various sources to pull data into Power BI such as SQL Server, Oracle, SQL Azure etc.
* Experience in writing complex stored procedures, functions, Indexed views and triggers and T- SQL queries for data consistency and manipulation.
* Experience in working OLTP/OLAP system study, developing data warehouse schemas like Star and Snowflake Schema used in dimensional and multi-dimensional modeling.
* Worked on all kinds of Transformations available in Power BI
* Performed time series analysis using DAX expressions in Power BI.
* Created calculated columns and Measures in power BI desktop to show good data analysis techniques.
* Effectively used data filters and hierarchies feature in Power BI.
* Transformed data with hierarchies, calculated columns, measures and merge operations with Power query.
* Wrote simple custom functions in Power BI editor with M code according to business logic.
* Developed and maintained multiple Power BI dashboards/reports and content packs for the end users.
* Performed Designing and modeling of data sets with Power BI desktop based on measure and dimension requested by business and dashboard needs.
* Scheduled Automatic refreshes in power BI service.
* Created data alerts, subscriptions to receive notification based on data changes on Power BI services.
* Implemented numerous filters in Power BI such as page level, report level and drill through filters as per the requirement.
* Enhanced Power BI reports with features such as row level security, color formatting and modifying relationship.

**NextEra Energy Resources, IL Aug 16 to Oct 17**

**Power BI Developer**

**Responsibilities:**

* Gathered data from various external sources (Oracle) into a data warehousing system (Enterprise Cube) with the help of ETL process.
* Used SQL Profiler for troubleshooting, monitoring, and optimization of SQL Server and non-production database code as well as T-SQL code from developers and QA
* Designed, reviewed, and created primary objects (views, indexes, etc.) based on logical design models, user requirements and physical constraints. Designed and developed web pages using VBScript.
* Wrote T-SQL (DDL and DML) queries, stored procedures and used them to build packages and handled slowly changing dimensions to maintain the history of the data.
* Build GSHS Reports in Power BI from scratch.
* Developed various solution driven views and dashboards by developing different chart types including Pie Charts, Bar Charts, Tree Maps, Circle Views, Line Charts, Area Charts, and Scatter Plots in Power BI.
* Developed various dashboards to know the school climate, school safety, risk factors, and risk behaviors.
* Created dashboard for school system financial information which includes revenue and expenditure by district.
* Created several user roles and groups to the end - user and provided row level security to them.
* Created Power BI Reports using the Tabular SSAS models as source data in Power BI desktop and publish reports to service.
* Worked with table and matrix visuals, worked with different level of filters like report level, visual level filters, page level filters.
* Created reports utilizing SSRS, Excel services, Power BI and deployed them on SharePoint Server as per business requirements.
* Designed different types of KPI's for percentage growth in different fields and compared over the period and designed aggregations and pre-calculations in SSAS.
* Created databases and schema objects including tables, indexes and applied constraints, connected various applications to the database and written functions, stored procedures, and triggers.
* Generated periodic reports based on the statistical analysis of the data from various time frame and division using power pivot, power query, power view.
* Designed and developed Power BI graphical and visualization solutions with business requirement documents and plans for creating interactive dashboards.
* Generated ad-hoc reports in Excel Power Pivot and shared them using Power BI to the decision makers for strategic planning.

**Hexaware Technologies, Chennai, India Jun 14 to May 16**

**SQL/SSIS Developer**

**Responsibilities:**

* Involved in Planning, Defining and Designing data, based on business requirements, and provided Involved in Data Analysis and Migration of Data.
* Involved in complete Software Development Cycle (SDLC).
* Created SSIS packages to load data into SQL Server using various transformations in SSIS.
* Created SSIS Reusable Packages to extract data from Multi formatted Flat files, Excel, XML files into Database and Billing Systems.
* Extracted the data from various sources like SQL Server, Text files, and access into Data Warehouse
* Responsible for documentation of reports and SSIS packages.
* Created SSIS Packages using Pivot Transformation, Fuzzy Lookup, Derived Columns, Condition Split, Term extraction, Aggregate, Execute SQL Task, Data Flow Task, and Execute Package Task etc.
* Involved in the data mapping sessions and creation of Data dictionary.
* Migration of the data from one environment to another environment.
* Identified and replaced manual processes and exchange of data with an Automated System.
* Implement the best design patterns in data migration to adapt for future changes.
* Reviewed several test plans and test scenarios with the QC team for each project worked on.
* Worked on Performance tuning of ETL transformations, data validations and Stored Procedures.
* Imported data from various sources such as MS Excel and MS Access using Import Export Wizard and using SSIS, MDS.
* Worked on XML along with PL/SQL to develop and modify web forms.
* Created SSAS OLAP Cubes and Partitioning Cubes, monitored and full and incremental load using cube wizard.

**EDUCATION:**

* Bachelor of Application (BCA), Swami Ramanand Teerth Marathwada University, Nanded, India , Passed out 2009.
* Masters of Application (MCA),IMCC college, Pune, University Maharashtra India , Passed out 2012.