**Rekha Bhargavi**

**Senior BI Consultant**

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**PROFESSIONAL SUMMARY:**

* Over 8+ **years** of experience in designing, analyzing, tuning, and developing Database, Data Warehouse, Business Intelligence (BI) database applications and various segments of Software Development Lifecycle using Tableau **Reporting**, Data Visualization and complex report building using **Tableau v8.x, v9.x**
* **Over 3+ years of professional experience working on Tableau v8.x, v9.x**, **v10.x** Tableau Desktop and Tableau Server.
* Created Dax Queries to generated computed columns in Power BI.
* Generated computed tables in Power BI by using Dax.
* Involved in creating new stored procedures and optimizing existing queries and stored procedures.
* Created Azure Blob Storage for Import/Export data to/from .CSV File.
* Used Power BI, Power Pivot to develop data analysis prototype and Data Models, and used Power View and Power Map to visualize reports
* Published Power BI Reports in the required originations and Made Power BI Dashboards available in Web clients and mobile apps
* Explore data in a Variety of ways and across multiple visualizations using Power BI
* Used Power BI Gateways to keep the dashboards and reports up to date.
* Experience in Business Intelligence (BI) tools such as **Informatica** Power Center.
* Strong knowledge **OLAP and OLTP** systems and Experience in using Dimensional Data Modeling and Relational Data Modeling, Star Schema/Snowflake modeling, **FACT & Dimensions tables, Physical & Logical** Data Modeling for designing Data warehouse / DataMart’s.
* Expertise in **Data Analysis, Data Extraction, Data Marts**. Performed Grant, Revoke table access to Database Analysts, Business Analyst, Operational Analysts and Project Manager.
* Experience in **tab-cmd & tab-admin**, Email alerts, scheduling, data backup, SAML and drivers setup activities.
* **User Training** experience with Tableau 9.0 features for Power and Business Users Communities.
* Knowledge of **Data Modelling**/Data Marts to build Data Models that will be used for Tableau Reporting
* Highly skilled in Tableau Desktop for **data visualization**, using **Cross Map, Scatter Plots, Geographic Map, Pie Charts and Bar Charts, Page Trails, Heat Map and Density Chart.**
* Expertise in dealing with Relational Database Management Systems Including **normalization, stored procedures, constraints, querying, joins, keys,** indexes, data import/export, triggers and cursors.
* Worked extensively on multiple data connections using **Data Blending and Data Joining**, worked on **Data Extracts** and managing queries.
* Experience working with Tableau Reports Based on Big Data Technologies.
* Experience working with Agile – Sprint project Methodology.
* Extensively worked on databases like Oracle, SQL Server, DB2 and **Teradata.**
* Created complex reports by linking data from multiple sources, using functionalities like **Combined Queries**, **Slice** and **Dice**, **Drill Down**, **Master Detail**, **Dashboard reports** etc.
* Extensive experience in Tableau Desktop, Tableau Server and Tableau Reader in various versions of Tableau v8.x, v9. x.
* Strong knowledge in various reporting objects like Attributes, Hierarchies, Transformations, Filters, **Prompts, Calculated fields, Sets, Groups, Parameters** etc.
* Experience in **migrating** all the reports, dashboards from **Tableau 8.0 to Tableau 9.0.**
* Experience in working with different enterprise data sources like **Teradata, SQL, and Oracle.**
* Expertise on tools like**Toad, Autosys, and SQL Server Management Studio** and involved in Unit testing, Functional testing and User Acceptance testing on **UNIX** and **Windows** Environment.
* Expertise on **Informatica Mappings, Mapplets, Sessions, Workflows** and **Work lets** for data loads.
* Strong knowledge of Data Warehousing methodologies and concepts, including star schemas, snowflakes, dimensional modeling and reporting tools, worked with high volume databases
* Built **interactive dashboard** using techniques like guided analytics and visual best practices provided by Tableau.
* Effective Ability to create **Custom Tableau reports** using SQL and advanced **Tableau mapping.**
* Designed and developed various **analytical reports from multiple data sources** by blending data on a single worksheet in Tableau Desktop.
* Extensive experience and in-depth knowledge in gathering business requirements and developing complex web reports with multiple queries, **custom SQL**, using complex functions, merging dimensions at report level, drill down, complex filters including calculations contexts, variables, filters, breaks, sorting, alerts, drill down, slice and dice, Master/Detail, Cross Tab, Charts.

**TECHNICAL PROFICIENCY:**

**ETL and Reporting Tools :** Tableau Desktop 9, 8.2.2, 8.1.6, 8.0, 7.0, 6.0, Tableau Server 2019.3,

Informatica power center, Power View, Power Pivot,Power BI,Excel, SQL Server, SSIS, SSRS, SSAS,

**Technologies Used**: : Informatica, Teradata, MongoDB,Json,Advanced SQL, Scoop, and Tidal scheduler

**Databases** **:** MS-SQL Server 2008 R2/2008/2005/2000, Oracle 9i, 10g, 11g

**Programming Languages :** SQL, T-SQL, PL/SQL, C

**Operating Systems :** Windows 95/98, NT, Windows XP/2003/2000, UNIX, MS-DOS,

 MS Access Developer 2.0, 97, 2000, 2003

**Web Technologies :** HTML, XML, VBScript

**EDUCATION DETAILS:**

Bachelor of technology in computer science, from NITW.

Certifications: 70-461 (Querying Microsoft SQL Server 2012/2014)

 70-463 (Implementing a Data Warehouse with Microsoft SQL Server 2012/2014)

**PROFESSIONAL EXPERIENCE:**

**Role: POWER BI Developer**

**Client: Cisco Systems January 2020 to till Date**

**Project Description**

In the EDW project of Cisco, we have EDW for Supply Chain Finance and Core Manufacturing. As an EDW, we support the Order Management, Order Fulfilment, Forecasting and Planning, Order Scheduling, Demand Management, Material and Inventory Management, Cost of Product and Opportunity Data for the all the BU in the CISCO.

**Responsibilities:**

* Applying Cisco’s standard tuning methodology process to the existing **EDW** **BI** application to optimize the **EDW** data model, **data** **flows**, **ETL** **process** and business critical query for better customer experience.
* Explore and examine the data to find hidden issues and anomalies and provide the root cause for the issue for the data issues other reporting issues.
* Working on Data Quality metadata **framework** providing inputs on data accuracy, coherence and comparability, clarity and timeliness which is processed for intelligent data assessment, data refinement and manipulation
* Researching and analyzing the existing problems in the **EDW** **application** (for e.g. Over or under forecasting for **Cisco’s** book order, build and Ship which impacts Cisco’s the overall inventory and revenue and performing **POC** on predictive analysis for plan and tracking application which will help Business planner with accurate figures to planning and forecast in the system)
* Resolving the issues reported by business users by preforming root cause analysis and follow-up with development teams for fix and explaining results to requestors, where necessary.
* Worked on gathering report requirements based on high level discussions with management and detailing fields to extract layout to extract data from various source systems.
* Analyzed heterogeneous sources, applied transformations and moved to target according to the business requirements. Created Complex workbooks and **Dashboards** by connecting to multiple data source (**Teradata**) using data blending. Imported data from MongoDB, SQL Server DB, Azure SQL DB to Power BI to generate reports. Created Dax Queries to generated computed columns in Power BI. Generated computed tables in Power BI by using Dax. Involved in creating new stored procedures and optimizing existing queries and stored procedures.
* Performed Calculations using Measures and Calculated Columns using the Query Editor and Building Data Models by defining the relationships between the Data tables and Lookup tables.
* Imported the data from MongoDB via ODBC Connector and access data stored in MongoDB and use Power BI’s powerful analytical and visualization tools to gain insights into the data, and then effectively share these insights with colleagues.
* Import/Export data to/from .CSV File, Excel file, Access DB, SQL Server.
* Used Power BI, Power Pivot to develop data analysis prototype and Data Models, and used Power View and Power Map to visualize reports
* Published Power BI Reports in the required originations and Made Power BI Dashboards available in Web clients and mobile apps
* Explore data in a Variety of ways and across multiple visualizations using Power BI
* Used Power BI Gateways to keep the dashboards and reports up to date.
* Working with Business Teams to gather requirements and assist them in **UAT** process.
* Experience writing Custom **SQL queries** for Complex Tableau Reporting
* Works as a Site Admin on Tableau server for the site **GP&F**. Performed Various activities on server such as refreshing and scheduling the extractions and adding users.
* Experience with Scheduling **Tableau Extracts,** working with Multiple Data sources using Data Joining and Data Blending.
* Created worksheets and **dashboards** by using custom queries and multiple tables.
* Designed and developed various analytical reports from multiple data sources by blending data on a single worksheet in **Tableau** **Desktop**.
* Scheduling the jobs in Tidal. Rerunning the jobs and override the jobs which are timed out and checking with the dependencies. Job activities.
* **Environment:** Tableau Desktop 10.3/ 9.0/8.1, Power BI, MongoDB, Json Documents, Power Pivot,Tableau Server 7.0/8.0/9.0, MYSQL Server, Excel,MS SQL Server 2008, Oracle 10g, Excel, Teradata, TSQL, Windows 7, SQL Server 2008, SQL BI Suite (SSIS, SSRS), Oracle 11g, Toad, Tidal Scheduler, Rally, MS Office.

**Role: Senior Tableau Developer/Admin**

**Client: Cox Media Group, Atlanta, GA April 2019 to Dec 2019**

**Cox Media Group, Inc.** is an American media conglomerate owned by Cox Enterprises. The company primarily owns radio and television stations, as well as four daily newspapers

**Responsibilities:**

* Designed and developed various analytical reports from multiple data sources by blending data on a single worksheet in Tableau Desktop.
* Experience dealing end to end process of building **Dashboards**.
* Working with Performance Tuning of **Tableau Reports** using Extracts and Context Filters.
* Developed business process and technical design documentation for each reporting service developed in this project.
* Generated computed tables in Power BI by using Dax. Involved in creating new stored procedures and optimizing existing queries and stored procedures.
* Import/Export data to/from .CSV File, Json files using MongoDB via ODBC Connection.
* Used Power BI, Excel add on and Power Pivot to develop data analysis prototype and Data Models and used Power View and Power Map to visualize reports.
* Imported the data from MongoDB via ODBC Connector and access data stored in MongoDB and use Power BI’s powerful analytical and visualization tools to gain insights into the data, and then effectively share these insights with colleagues.
* Published Power BI Reports in the required originations and Made Power BI Dashboards available in Web clients and mobile apps.
* Explore data in a Variety of ways and across multiple visualizations using Power BI.
* Used Power BI Gateways to keep the dashboards and reports up to date.
* Generated Test Cases for each specification in Requirement Specification Document corresponding to each module.
* Created Complex workbooks and **Dashboards** by connecting to multiple data source (**Teradata**) using data blending.
* Working with Business Teams to gather requirements and assist them in **UAT** process.
* Experience writing Custom **SQL queries** for Complex Tableau Reporting.
* Developed Complex Reporting Involving Sales Hierarchy Roles viewing the same Report restricting their data access.
* Experience with Scheduling **Tableau Extracts,** working with Multiple Data sources using Data Joining and Data Blending.
* Created worksheets and **dashboards** by using custom queries and multiple tables.
* Created Data Connections, published on **Tableau Server** for usage with operational/Monitoring Dashboards.
* Built Complex Data Functions in Tableau Calculated Fields using Parameters and **Sets**.
* Administered user, **user groups,** and scheduled instances for reports in **Tableau.**
* Built complex formulas in Tableau for various business calculations.
* Administered and provided production support for Enterprise wide Tableau application
* consisting of multiple key functional business domains.
* Developed Reports in SSRS to send the reports directly to the respective E-mails using Subscriptions.
* Developed highly interactive Dashboards for Sales Departments with both Executive and
* Created **SSIS** (SQL Server Integration Service) packages to extract data from **OLTP** to **OLAP** systems with different transformation and scheduled Jobs to run the packages daily.
* Created various complex **SQL Queries, Stored Procedures,** and User Defined Functions to implement the business logic.
* Identify KPI for Requirements, documentation and Review.
* Created side by **side bars, Scatter Plots, Stacked Bars, Heat Maps, Filled Maps** and **Symbol Maps** according to deliverable specifications.
* Applied the actions in the work sheets and dashboards.
* Created extensive custom joins for blending data from several different data sources.
* Helped customize Tableau Server with Company Logo and Company Pop-Ups.
* Developed complex calculated fields for the business logic, field actions, sets and parameters to include various filtering capabilities for the dashboards, and to provide drill down features for the detailed reports.
* Execute and tested required queries and reports before publishing dashboards.
* Provide support once the dashboards were published if there were any data changes, system changes, or requirement changes.
* Implementation of Row level security using User Filters and **Username ()** in Calculated fields.
* Worked on Parameters, Table Calculations and Hierarchies.
* Built Prototype **Dashboards** using **Google Analytics** for **POC**
* Generate KPI for customer satisfaction survey results and disease management.
* Maintained Test log and Wrote Test Evaluation, Summary Reports.
* Extensively involved in doing **user acceptance testing (UAT**).
* Performed Tableau Admin duties that comprised **configuration, adding users, groups, managing licenses** and data connections, **scheduling tasks,** embedding views in the **Tableau Server.**
* Incorporated a regional and national comparative / benchmark metrics to give context to Horizon performance.
* Coordinate new data development which includes the creation of new structure to meet business requirements or streamline existing processes to reduce overhead on the existing warehouse with **ETL Development** team.
* Introduced several Levels of **Dashboard Drill Down** and **Links** to interrelated performance metrics.
* **Environment:** Tableau Desktop 10.3/ 9.0/8.1, MongoDB, Json, Server 7.0/8.0/9.0, NoSQL, MYSQL Server, MS SQL Server 2008, Oracle 10g, Excel, Teradata, TSQL, Windows 7, SQL Server 2008, SQL BI Suite (SSIS, SSRS), Oracle 11g, Toad, MS Office.

**Role: Tableau Developer/Admin**

**Client: State of NY, Albany, NY (DOE) Jan 2017 to March 2019**

**Responsibilities:**

* Worked for Reporting Requirements for Home Solutions Department
* Handled Tableau admin activities granting access, managing extracts and Installations.
**Generated Dashboards** with **Quick filters, Parameters** and sets to handle views more efficiently.
* Developed Tableau visualizations and dashboards using Tableau Desktop.
* Performed tuning of tableau workbooks and extracts to make them functional with large sets of data
* Created Dashboard mockups for Business partners so as to give them a beforehand experience of how final product would look like.
* Working on creating various dashboards in Tableau Desktop by querying various **ODBC** connections such as **Teradata, Oracle SQL Developer**, **SQL Server 2008.**
* Created action filters, parameters and calculated sets for preparing **dashboards** and **worksheets**.
* Created Server Monitoring workbook views and a custom workbook to see 'My activity' on Tableau Server using Tableau Server Repository Database (PostgreSQL).
* Ability to meet Customer requirements with Possible Tableau Workarounds for Challenging situations.
* Connected Tableau server to publish dashboard to a central location for portal integration.
* Actively involved in creating a custom portal design hosting Tableau workbooks using JavaScript API.
* Worked with end users in creating complex dashboards in an iterative process.
* Implemented data blending on databases and generated interactive dashboards.
* Handled Tableau admin activities granting access, managing extracts and Installations.
* Designed, developed, tested, and maintained Tableau reports and dashboards based on user requirements. Built, published customized interactive reports and dashboards, report scheduling.
* Extensively used Tamed and Tabadmin for various Tableau server maintenance activities.
* Participated in weekly meetings, reviews, and user group meeting as well as communicating with stakeholders and business groups.
* Impersonating with a Run as User Account, Impersonating with Embedded **SQL Credentials**
* Experience working with Tableau Custom Maps.
* Published dashboards to Tableau server from **QA** to production
* Created several Tableau data extracts with prebuilt calculations, parameters and sets to enable end users to easily utilize the extracts as semantic layer to create their own workbooks.
* Created various highly interactive dashboards and data visualizations reports for Ad Sales and Program Finance departments.
* Created ad-hoc reports to users in Tableau by connecting various data sources.
* Built and published customized interactive reports and dashboards, report scheduling.
* Created and assisted users in Tableau dashboard development.
* Worked on generating various dashboards in Tableau server using various sources such as Teradata.
* Good SQL reporting skills with the ability to create SQL views and to write SQL queries.
* Developed and reviewed SQL queries with use of joins clauses (inner, left, right) in Tableau Desktop to validate static and dynamic data for data validation.
* Performed data analysis on daily, weekly, and monthly scheduled refresh of data based on that business or system change that have happened to ensure that the developed dashboards are displaying accurate and up-to-date live data and sent those into production after editing.

**Environment:** Tableau 8.0/8.3, Tableau Server 8/7, SQL Server 2008, Teradata, Excel 2010, Oracle 11g, MS Office 2010, Web Intelligence 4.1/4.0/3.1, MS Excel, HANA DB, JavaScript API, Teradata.

**Dow Agro, Portland, OR  August 2015-Dec 2016**

**Tableau Developer**

**Description:**

It is a Agro based industry. Increasing crop productivity through higher yields, better varieties, and more targeted pest management control. Our [products and services](http://www.dowagro.com/products/) are designed to solve pressing crop production problems for our customers, boosting agriculture productivity to maximum sustainable levels to keep pace with the growing needs of our world's rapidly expanding population.

**Responsibilities:**

* Upgraded **tableau 7.0 to tableau 8.0** and gathered requirements, analyzed from raw data.
* Building, publishing customized interactive reports and dashboards, report scheduling using **Tableau server.**
* Implemented Data access layer using **ADO.NET** to connect and retrieve or manipulate database information
* Created Relationships, actions, data blending, filters, parameters, hierarchies, calculated fields, sorting, groupings, live connections, and in-memory in both tableau and excel.
* Created customized reports using various chart types like, text tables, bar, pie, tree maps, heat maps, line charts, pivot tables, combination charts in excel and tableau.
* Worked on motion chart, Bubble chart, Drill down analysis using **tableau desktop** for Amazon.
* Involved in created stored procedures, views, and custom SQL queries to import data from SQL server to tableau.
* Worked extensively with Advance analysis Actions, Calculations, Parameters, Background images, Maps.
* Tested reports and uploaded **tableau dashboards** on to server and provided production support for tableau users.
* Ability to work quickly and under tight delivery deadlines with focus on details.
* Hands-on development assisting users in creating and modifying worksheets and data visualization dashboards.
* Defined and created procedures to install **Tableau desktop** in silent mode and best practices for Tableau report development.
* Created Advance connections, join new tables, create & manage Extract and Monitor Queries using SQL Assistant.
* Developed parameter and dimension based reports, drill-down reports, matrix reports, charts, and Tabular reports using **Tableau Desktop.**
* Having experience in **SME** (Subject Matter Expert) in all **BI** tools.

**Environment:** Tableau Desktop 8.0/7.0, Tableau server / Administrator, SQL Oracle 10g, DB2, Microsoft Excel 2007, MS Access, Windows 2007 server, Microsoft office 2007. ADO.NET

**Client: Galaxy Software Solutions, Hyderabad, India July 2013 to April 2015**

**Role: BI consultant**

**Galaxy Software Solutions, Inc.** their mission is to help our customers with all of their business- critical needs. By providing complete, Strategic, business, technology, staffing solutions through high quality, cost effective and deliveries within time frame, to utmost satisfaction of our valuable customers. We provide comprehensive, web-enabled, end-to-end complete IT services for Banking, Insurance, Telecommunications, Automobile, Health Care industries etc.

**Responsibilities:**

* Act as a Tableau BI end to end life cycle implementer involving in Data Analysis (Tableau Analyst), Dashboards development (Tableau Developer) and Dashboards.
* Gained insight into merchandise performance by product, category, geography, and vendor.
* Built Strategic, Analytical and operational dashboards using Tableau and Xcelsius.
* Working with team of developers designed, developed and implement a BI solution for Sales, Product and Customer KPIs.
* Prototyped data visualizations using Charts, drill-down, parameterized controls using Tableau to highlight the value of analytics in Executive decision support control.
* Analyzed customers credit and transaction histories, stated preferences, and current interactions enabled tableau to identify opportunities for improved promotions, special offers, recommendations, and targeted advertising.
* Blended data with sales quotas, demographics, market sizing, and more.
* Shifted between different views of data, add maps, and enhanced them with table calculations for more insights.
* Migration of Tableau reports from Dev QA Prod.
* Implementing best-practices for the dashboards with a solid understanding of the use of Contexts and their impact on performance.
* Creating reports using Webi
* (Web Intelligence) and Deski (Desktop Intelligence) using Business Objects XI R2 and R3.
* Developed Ad-hoc Business object reports according to user’s requests.
* Involved in reviewing business requirements and analyzing data sources form Excel/Oracle SQL Server for design, development, testing, and production rollover of reporting and analysis projects within Tableau Desktop.
* Created views in Tableau Desktop that were published to internal team for review and further data analysis and customization using filters and actions.
* Compared the visualized the quarterly weekly sales with previous weeks and quarters. This gave a perspective on the situation using concrete numbers.
* Developed Trend Lines, Statistics, and Log Axes. Groups, hierarchies, Sets to create detail level summary report and Dashboard using KPI's.
* Developed story telling dashboards in Tableau Desktop and published them on to Tableau Server which allowed end users to understand the data on the fly with the usage of quick filters for on demand needed information.
* Scheduled data refresh on Tableau Server for weekly and monthly increments based on business change to ensure that the views and dashboards were displaying the changed data accurately.
* Used the automatic forecasting as a baseline to estimate progress toward making quota.
* Define best practices for creating Tableau dashboards by matching requirements to the charts to be chosen, color patterns as per user's needs, standardizing dashboard's size, look and feel etc.
* Understood the business requirements document and Data model design document to come up with the Cognos model design.

**Environment:** Tableau7.0/8.0, Tableau server, Crystal Reports, Cognos, Xcelsius2008, Web Intelligence 4.1/4.0/3.1, MS Excel, SQL Server,

**Client: NSG India, Hyderabad, India March 2011-june 2013**

**Role: BI Developer**

**Responsibilities:**

* Involved in gathering the requirements and analyzing the requirements,
* Regularly interacting with customer to resolve issues.
* Responsible for Preparing the Report Design specifications based on the User’s requirement.
* Created and managed schema objects such as Tables, Views, Indexes, Procedures and Triggers in the database.
* Created and Scheduled jobs for executing the stored SSIS packages, which were developed to update the database on Daily/Weekly/Monthly basis. Developing load scripts to populate data into the data ware house.
* Monitoring the jobs schedule and performance of the transform jobs.
* Taking care of some DBA tasks such as creating backup maintenance plans, restoring databases, creating and monitoring SQL jobs.
* Improving performance of the server by analyzing the long running queries and performance tuning them.
* Generated Sub-reports, Drill-Down, Drill - Through and Parameterized reports using SSRS reports according to the customer requirements.
* Creating internal Operational reports to analyze the performance of the server in terms of load duration, transformation speed of the jobs (To track the time for loading the data into the staging tables and transforming them to the data warehouse)
* Developing operational reports to monitor the load count of the records and the duration of the load.
* Created Dashboards, scoreboards to generate more usable information the form of data visualization.
* Created table calculations, calculated fields and parameters.
* Created groups, sets, bins and performed conditional sorting and filtering as per the requirements.
* Coordinating with Business Analyst in validating report requirements.
* Executed and tested required queries and reports before publishing.
* Validate the data for each report and review the reports.

**Environment:** MS SQL Server, SSRS, SSISTableau Desktop, Tableau Server, Oracle, Informatica, Windows, Testing.