**Harishwar Reddy**

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* Around 9 years of experience in IT industry as **BI Lead Developer** with **Tableau** and **Business Intelligence** tools with strong background **in Databases and Data warehousing concepts.**
* Experience in Design, Development, Integration, Implementation and Maintenance of MS Business Intelligence and **Tableau Platforms** like **Tableau Desktop, Tableau Server** and **Tableau Reader** in Various Versions of **Tableau 2022.3.6/ 2021.2/2020.2/10.5/10.4/10.3/10.2/10.0/9.2/9.1.**
* Installed **Tableau 2022.3.6 Version** and worked on **64bit operating system.** Compared and tested with previous versions. Observed the advantage of improved **Data engine** with usage of .hyper **format.**
* Worked on new **Tableau 10.5** features like **Hyper, Power Trend lines, nested projects and viz in Tooltip**.
* Utilized all **Tableau tools** including **Tableau Desktop, Tableau Reader** and **Tableau Public**. Strong understanding of **project life cycle** and **Software Development Life Cycle (SDLC) methodologies including Waterfall and Agile.**
* Extensive knowledge in various reporting objects **like Facts, Attributes, Hierarchies, Transformations, filters, prompts, Calculated fields, Sets, Groups, Parameters etc., in Tableau**.
* Worked on several **interactive dashboards** with Filtering, highlighting, ability to combine multiple data sources, fast creation by a business user, easy sharing with support for existing security using several visual analysis best practices. **Developed Tableau dashboards** for **data discovery** and **routine reporting needs**.
* Expert in **design/development** using **Tableau Desktop for data visualization, Reporting and Analysis; Cross Map, Scatter Plots, Geographic Map, Pie Charts and Bar Charts, Page Trails and Density Chart.**
* Expertise in resolving reports**, dashboards, performance** issues and implementing best practices using **Tableau.**
* Extensive experience in **designing, developing, and publishing** visually rich and intuitively **interactive Tableau workbooks** and dashboards for executive decision making.
* Installed **Tableau Server** in a Distributed Environment and worked on **Worker Nodes** and added additional worker nodes. Designed the **architecture of Tableau security** by customizing the access levels and creating various user groups by **assigning row and column level security** at application level, folder level and user level.
* Experience in **Publishing and Sharing Workbooks**, **Data Sources** with User Filter to **Tableau Server**, Setting **Schedules**, **Subscriptions, Authorization and Permissions**, **incremental refresh extracts** and **updating server** data that are using extracts.
* Used the **REST API** with **Tableau server** to manage and change **Tableau server** resources programmatically.
* Used the **API** for the **functionality enhancement** on **server** for site users and sites on **Tableau server**.
* Experienced in **Creating the extracts**, published data sources to **Tableau server**, **refreshed extract** in Tableau server from **Tableau Desktop.**
* Exceptional experience in dealing with various **databases** like **Teradata, Oracle, DB2, SQL Server and Flat files.**
* Proficient Knowledge in dealing with **RDBMS including E/R Diagrams, Normalization, Joins, Keys and Data Import/Export.**
* Experience in developing **User defined functions, Triggers, Constraints, Indexes, Stored Procedures** and **Batch Scripts** using various **DDL and DML commands, Query optimization** and **performance tuning.**
* Experience in writing **SQL Joins**, **Nested Queries, Unions, Multi-table joins** and **experience** in **creating scheduling Jobs, sending Alerts.**
* Experienced in **OLTP, OLAP, GUI, Relational Database Management Systems (RDBMS)** and **Report Development.**
* Extensive experience on using **SQL for Tableau** and in **writing parametrized queries** for **generating Tabular reports, formatting report layout** and **expressions.**
* Excellent in **SQL and modify/enhance existing SQL queries, improve Query Performance.**
* Worked on all phases of **data warehouse development lifecycle**, from gathering requirements to **testing, implementation, and support.**
* Strong understanding of **Data Modeling** in **data warehouse environments** such as **star schema** and **snow flake schema**. Expertise in all phases of **data warehousing lifecycle** along with implementation and testing of software products.
* Proficient in gathering requirements and authoring **Business Requirement Documents (BRD**) into **System Requirement Specifications (SRS)** and identifying interface and **business process specifications**.
* Strong **data analysis** expertise in the field of **Financial Analysis**, **Financial Modeling**, **Capital Markets**, **Industry Research and Product Development**
* Excellent **verbal/written communication skills** and can perform well both **independently** and as a **team player**.
* Ability to quickly master new concepts/applications & identify operational deficiencies and system improvements. **Strongly self-motivated**, willing to assume responsibilities & very detail oriented. Excellent at communication, analysis & presentation.

**Skill Set**

* **Tableau Desktop: 2022.3.6/ 2021.2/10.5/10.4/10.3/10.2/10.0/9.3/9.2/9.1**
  + Used various Tableau versions to create visualizations appealing to end users and customers
* **Tableau Server: 2022.3.6/ 2021.2/10.5/10.4/10.3/10.2/10.0/9.3/9.2/9.1**
  + Installation and configuration of Tableau server on various versions, Service pack upgrades, Version upgrades and end to end architecture design.
* **Database Servers**: Oracle, SQL Server, MySQL, MS Access.
* **Programming Languages:** SQL, PL/SQL
* Software Packages: MS Office, Toad, Putty, SharePoint

**Professional Experience**

**Department of Family and Protective Services November 2018 – August 2023**

**Austin, Texas**

**Sr. Tableau Developer/Data Analyst**

**Project Objective:** This project is to develop **Federal** and **State reports** for **Texas Home Visiting Program** for Quarterly performance measure.

* Worked as **Business Analyst**, **Data Analyst** and **Tableau Developer** for State and Federal reports for **DFPS**.
* Worked on Various **Federal and State** Reports for **MIECHV Program** (Maternal Infant and Early Childhood Home Visiting Program).
* Worked on **CVS Child Caseload** and **Child Protective Services-Caseload Investigations** Snapshot Reports.
* Worked Closely with the business users to gather the requirements and provide the best suitable solution based on my technical expertise.
* Worked on **user level security filter**.
* Worked on business and specifications requirements gathering sessions and convert it into design specifications. The design specifications range from high level design to application-level designs.
* Extensive use of **SQL Queries** for loading data and creating **data extracts.**
* Worked on preparing the **documentation** and explaining the requirements to data team.
* Actively involved with the **application team** to share **business requirements** and get the required data.
* Worked on Analyzing the business requirements and writing **SQL queries** to get the required data.
* Worked closely with **ETL team** for designing the **Fact tables.**
* Designed **Ad-Hoc reports** across various verticals as per the **business users’** requirements and had **Demo** sessions for acceptance and changes if required.
* Worked on **Tableau dashboard** development, creation and validation of **dashboard** and report **mock-ups.**
* Interpreting new and changing business requirements to determine the impact and proposing enhancements and changes to meet these new requirements.
* Worked on various Federal and state report development. And had merged them in single **referral Tab respectively.**
* Extensively used **Action filters** to build the **reports**.
* Worked on **Complex dashboards** for performance issues. And wrote **Custom SQL** for various Federal reports to improve the performance.
* Wrote multiples **LOD calculations** in a single **Tableau report** to get the required data as per business requirement.
* Worked on **system testing** of **Tableau reports** and do **data validation**.
* Deployed the **Tableau reports** to **UAT** for user validation and supported the business for defect fixing.
* Worked on publishing the **Tableau reports** to **server** for internal and external usage.
* Worked on creating **users** and **groups** for giving the permissions in **Tableau Server** for respective users to **Federal and State reports**.

**Environment**: Tableau Desktop **2021.2**, Tableau Server **2021.2**, Oracle, SQL Developer, Toad, MS Excel.

**Capital Group, Irvine, CA Mar 2018- Nov 2018**

**Sr. Tableau Developer**

**Project Objective:** At Capital group I worked to create Dashboards for a range of products focused on active management, including mutual funds as well as separately managed accounts and private equity, investment services for institutional clients and individual investors.

* Redeveloped and **Migrated MicroStrategy** and **Crystal** reports over to a new reporting environment built on **Tableau**.
* Analyzed database **schemas** and relationships and produced **SQL** statements. creating temp **tables, views, data manipulation in oracle 10g/11g, Business Objects** Universe environment based on reporting needs.
* Responsible for creating the **Complex Tableau Reports** (on demand, **Ad-Hoc Reports**, Frequency Reports, Summary Reports, Sub Reports, Drill-Down, Crosstab, Dynamic Grouping, Cross-Tab, Graphical, Aging Reports) and modifying the existing Reports.
* Extensively using **joins** and **sub-queries** for complex queries which were involving multiple tables from different databases. Analyzing data and re-mapping fields based on business requirements.
* Tested output of Reports using **SQL queries** in **Toad** to verify whether the report has met the user requirements or not.
* Working with **Business Users** to develop system requirements, **analyze data Element** and continuous end-user support.
* Extensively worked on **loading data** from **Source system** to **Target system** by applying necessary Transformations in Staging area.
* Created the warehouse **database objects** like **Tables, Views, Sequences, Indexes, Constraints, Procedures** and Functions.
* Created data connections both standalone and multiple data sources using **data blending**
* Create and **Scheduled Data Extracts** for better performance of dashboards with **multiple worksheets**.
* Published the Reports into the folders in Central Management Console (CMC) and **scheduled the reports to run monthly, quarterly, weekly, daily or based on the calendar in CMC.**
* Understand client existing reports and generate the corresponding data to **warehouse DB.**
* Created and maintained **complex SQL queries for specific Reports**. Used complex SQL queries/stored procedures for command objects as data source.

**Environment**: Tableau 10.x, Tableau Server, Micro strategy Crystal Reports, Oracle 12c/11gR2, , SQL Developer, MS-SQL Server, SharePoint, MS-Access, MS Excel, Toad, Visual Studio

**Citi Group, Tampa, Florida Mar 2017 – Mar 2018**

**Sr. Tableau Developer**

**Project Objective:** The project is to create Dashboards for various portfolios like mortgage to view credit score distribution and trends. Also, to compile the risk of loan default and projected predictive analytics for the potential loan defaulters based on credit score distribution. My major program level contribution was on the "Loan Services Online" initiative that provides a web-based interface to allow customers to make online application, loan payments and access to loan transaction history.

* Installed and worked on latest version of **Tableau 10.5**.
* Designed, developed and tested various **Tableau dashboards** such as Scorecard, marketing dashboards, usage reports and various Ad-Hoc reporting solutions using **Tableau 10.0.1 and 10.3**.
* Perform data visualization development using Tableau to create complex, intuitive, innovative dashboards and reports.
* Involved in **publishing** various kinds of **interactive data visualizations, dashboards**, and **workbooks** from **Tableau Desktop to Tableau Servers.**
* Experience in **Finance/Banking industry** including multifamily pricing and securitization.
* Develop and **maintain financial dashboards** and reports used for **multifamily loan pricing.**
* Analyzed data requirements, application and processing architectures, while designing, developing, amending, and optimizing database designs to **satisfy client** needs.
* Gathered **functiona**l and **non-functional** client requirements to optimize the design of **BI deliverables** (reports, dashboards, alerts, visualizations).
* Daily data pull and testing using **SQL queries.**
* Developed dashboards using **Custom SQL queries**, and various data sources using **data blending techniques.**
* Good SQL reporting skills with the ability to create **SQL views** and write **SQL queries.**
* Performed End to end testing using **SQL Queries in Oracle.**
* Provided training sessions to business users on how to use **Tableau reports.**
* Developed **POCs** for business users displaying various functionality and visualization.
* Update and maintain various release documentation, and **JIRA tickets**.
* Maintained **multiple versions** of **Tableau dashboards** using **SVN.**
* **Develop long-term plans and integrated systems to improve operational processes and organizational efficiency.**
* **Use a variety of ERP software tools such as Visual Basic for applications (VBA) and sharepoint.**
* **Collaborate closely with members of the HR, financial and development teams to optimize systems that meet production goals.**
* Schedule reports, administer users and user groups for **workbooks, data sources and views in Tableau.**
* Worked with **ETL** team on designing **Oracle tables** for multiple projects, **data analysis and SQL Query transform.**
* Analyzed the data using Statistical features in Tableau to develop trend analysis like context reports based on **Daily, MTD, last one month, and YTD date fields.**
* Identified opportunities to develop **forecasts, statistical models, segmentation schemes,** and **data-driven analyses** to **drive marketing** and **merchandising efforts around customer acquisition** and **conversion.**

**Environment**: Windows XP, Tableau 10.x/9.x, Tableau Server, Micro strategy, Alteryx, Oracle 12c/11gR2, Teradata, SQL Developer, MS-SQL Server, SharePoint, MS-Access, MS Excel.

**ExxonMobil, Houston, Texas Jul 2015-Feb 2017**

**Sr. Tableau consultant**

**Project Objective:** It is one of the world's major oil and gas company, whose performance in 2013 made it the world's largest oil and Gas Company, the sixth-largest energy company by market capitalization and the company with the world's fifth-largest revenue (turnover). It is a vertically integrated company operating in all areas of the oil and gas industry, including exploration and production, refining, distribution and marketing, petrochemicals, power generation and trading. It also has mining interests in biofuels and wind power.

* Deep experience with the design and development of **Tableau visualization** solutions.
* Created **extracts, published data sources to Tableau server**, refreshed extract in **Tableau server** from **Tableau Desktop.**
* Used **various ETL tools to extract data into Tableau Desktop and data wrangling using SSIS in data preparation phase.**
* 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.**
* Created **External filter, internal filter and Context filter** to improve performance.
* Used **Data Blending, groups, combine fields, calculated fields, and aggregated fields and spotlighting** to compare and analyze data in different perspectives.
* Used data connectors that are already available in **Tableau**, to read any site that publishes data in **JSON, XML, or HTML.**
* Used Tableau and Google Analytics to analyze web traffic and make business decisions on the traffic coming from different locations.
* Used dimension on **Page shelf** for a detailed analysis of the view by members of the dimension.
* Created **parameters and quick filters.**
* Created sets to display top products based on their sales.
* Created Actions in Worksheets and Dashboards for interactivity and to compare data against different views.
* Created **Dashboards with interactive views, trends** and **drill downs.**
* Published **Workbooks** and **Dashboards to the Tableau server.**
* Combined visualizations into Interactive Dashboards and publish them to the web.
* Created groups and users in **Tableau server**
* Implemented new features in **Tableau 9.1 to the existing Workbooks and Dashboards.**
* Created extensive documentation on the design, development, implementation, daily loads and **process flow of the mappings and provided Knowledge Transfer to the end users.**

**Environment**: Windows XP, Tableau 10.x/9.x, Tableau Server, Talend, Oracle Database 12c/11g, SQL Developer, MS-SQL 2008 R2, MS-Access, Salesforce, Google Analytics, MS Excel.