**SHINOJ KUMAR**

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**PROFESSIONAL SUMMARY:**

* Almost 9 years of extensive **BI** Experience in Enterprise Environment in **Tableau** 2020.X/2019.X/10.X/9.X/8.0/7.0, **Power BI,** **Cognos** 8 and 10 BI tools (Report Studio, Analysis Studio, Query Studio, Cognos Connection)
* In-depth knowledge on **Tableau** Desktop, **Tableau** Server, **Tableau** reader, **Tableau** Cloud.
* Designed several business dashboards using **Tableau** Desktop, **Tableau** Server, **Tableau** reader and **Tableau** Online, Excel, SSRS.
* Responsible for creating SQL datasets for **Tableau** and Ad-hoc reports.
* Created multiple Adhoc Reports with all the required business logics included and Trained Users on how to use the ‘Ask Data’ feature and to create a sample reports.
* Viz Animations were used extensively on different kind of visualizations “Bar Charts, Line charts with Trend lines, Scatter plot.
* Used Databricks to connect the data in tableau.
* Worked extensively on Creating Business Requirement Documents(BRD), Technical Requirements Documents (TTD) Mapping Document, Test Case Documents, Architecture PPT’s.
* Performed Data Wrangling.
* Application of analytics techniques including data mining, modeling, and statistical analysis (experience integrating Python within Tableau
* Experience in **Tableau 2020.X** as a **BI Developer**, Analyst and Admin. End to end involvement in designing and deploying data visualizations and creating Calculations, Formatting using Tableau Desktop
* In depth Knowledge of **AWS cloud service** like Compute, Network, Storage and Identity & access management.
* Worked extensively on single table extracts and multi table extracts, Logical table and Physical table extracts.
* Expert on creating multiple kind of reports in **Tableau** like Tabular Reports.
* Experience in **Software Development Life Cycle (SDLC)** that includes responsibilities like documentation, testing, process maps and migration from development to production.
* Build data validating dashboards using **Tableau**. Created highly interactive Data Visualization Reports and Dashboards using feature such as Data Blending, Calculations, Filters, Actions, Parameters, Maps, Extracts, Context Filters, Sets and Aggregate measures. Proficient in creating Calculations (Table Calculations, Hide Columns, Creating/Using Parameter, Totals) and Formatting (Annotations, Layout Containers, Mark Labels, Rich Text Formatting, Shared Encoding) using **Tableau** Desktop.
* Deep experience with design and development of complex **Tableau visualization** solutions.
* Working on generating various dashboards in Tableau Server using different data sources such as **Postgre’s SQL, Teradata, Oracle, Microsoft SQL** Server and Microsoft Analysis Services.
* Performance tuning for the **Tableau Visualizations** and **Tableau** server for more than 250 concurrent users.
* Hands on experience in creating indexed **Views, Complex Stored Procedures, Effective Functions, Sub Queries, Joins** to assist efficient data manipulation and data consistency.
* Efficient in creating **joins** and **sub-queries** for complex queries involving multiple tables.

**TECHNICAL SKILLS**

Tableau 2020.X/2019.X/10.X/9.X/8.0/7.0, Tableau Server, Tableau cloud, Tableau Online, Tableau Mobile, Tableau Public, Tableau Reader, Microsoft Power BI, Data Wrangling, Cloud Azure,

Visual Basic, Python, SQL, PL/SQL.

Data Warehousing: BW 3.5, 3.1c, 3.0b, BI 7.0,

Oracle 9i/ 8i/7.3, MS SQL Server 2000/7.0/6.5, Access, DB2, Teradata

ABAP/4 and Web Technologies, SAP R/3 4.7, 4.6c, 4.5b and 3.x.

**WORK EXPERIENCE**

**Client: Capital One, USA Sep 2021 till Nov 2023**

**BI Developer**

**Responsibilities:**

* Involved in business requirements gathering, data modeling and database design, report development, performance tuning, and data delivery mechanisms.
* Worked on both**Tableau** reports as per the Business requirements.
* Developed Compelling, Interactive dashboards in **Tableau**.
* Created global sort of different scenarios of the reports including filters, extensive columns like sales vs. last year and transactions.
* Implemented data level security filters, object level and package level security in framework manager to achieve highly complex security standards.
* Implemented Database Layer, Intermediate layer and Presentation Layer, defining appropriate relationship between dimension query subjects and fact query subjects in Framework Manager
* Created advanced Workspaces/Dashboards in **Cognos** Workspace/Business Insight for commercial loan line of business users, by adding report objects authored in Report Studio to present critical company data in a single view.
* Developed list, crosstab, drill-through, master-detail, chart and complex reports which involved multiple prompts, calculations, filters**, HTML** items in Report Studio
* Worked with Session parameters, parameter maps and macros to add dynamic behavior to metadata models in Framework Manager
* Coordinated with functional users for User Acceptance Testing prior to releasing system changes in production.
* Created documentation for the complete project life cycle and mentored the End Users and Provided the Technical Support

**Client: University of Chicago, USA Mar 2021 till Sep 2021**

**BI Data Engineer**

**Responsibilities:**

* Developed BI reports and dashboards in tools such as Tableau.
* Designed, developed, and tested various **Tableau/Tableau visualization** for dashboard and **ad-hoc reporting solutions.**
* Querying data from relational, non-relational and analytical databases for reporting and analysis.
* Prepared Dashboards using the **calculations, parameters** in the **Tableau** and creating SQL datasets for Tableau and Ad-hoc reports.
* Created Joins and complex sub-queries to join and test the data.
* Created DQ scripts using SQL to check the integrity and accuracy of the data.
* Building and querying flattened data structures for analysis and aggregation.
* Used modern cloud data warehouses (such as AWS Redshift).
* Experience with Azure Analysis Services and Familiarity with writing DAX
* Created various calculated fields, groups, sets and hierarchies in **Tableau** and created visualizations.
* Developed calculated metrics for multi-dimensional analysis (e.g., Gross Margin by geography, practice area, industry).
* Conducted training sessions for users to help them understand Tableau features and interactivity.
* Conducted knowledge transfer sessions for other consultants to help them understand Tableau reports and interactivity.
* Onboard new teams by granting licenses as per their requirements and set permissions accordingly on Tableau Server.

**Client: Spencer Stuart, USA May 2020 till Feb 2021**

**BI Developer/Tableau Admin**

**Responsibilities:**

* Gathered and documented business requirements for analytical reports. Participated in requirements meetings and data mapping sessions to understand business needs. Identified and documented detailed business rules.
* Worked extensively on Creating Business Requirement Documents (**BRD**), Technical Requirements Documents (**TTD**) Mapping Document, Test Case Documents, Architecture PPT’s
* Participated in the **Agile** methodology’s daily **scrum** and other sprint meetings. Developed and prioritized product backlogs and the sprint burnt down charts etc. to meet the daily deliverables and timelines.
* Dynamic Parameters were used on Various Dashboards and worked in Cloud ETL.
* Familiar with encoding and partitioning concepts.
* Buffer Calculations were used to create **visualizations.** Develop impactful reports and dashboards using MicroStrategy Developer and Web. Experience with Azure Synapse and Writing complex T-SQL statements.
* The role will provide an opportunity to work in nest in class analytics team with high learning curve.
* Wrote **SQL** quires which store the result as Json format and used the files to build dashboard using **Tableau**.
* Integrated R and python scripts to setup Data visualization in Tableau. Used Databricks to connect the data in tableau and performed Data pipelines and visualizations.
* Ingested data from various sources.
* Conduct systems design, feasibility and cost studies and recommend cost-effective cloud solutions such as **Amazon Web Services (AWS)**
* Generated matrix reports, tabular, drill-down, drill-through, sub reports, chart reports, multi parameterized reports.
* Experience working with Azure Data Lake Storage Gen2 and Experience with Azure Synapse.
* Build a dashboard to monitor the **SQL** server and alert if any process is impacting the performance using **Tableau.**
* Actions were used extensively to link and filter sheets for easier navigation in Dashboards.
* Viz Animations were used extensively on different kind of visualizations “Bar Charts, Line charts with Trend lines, Scatter plot.
* Worked on **URL** action filters for building a dashboard.
* Worked with **Microsoft** team on product limitations and communicate limitations and tool capabilities to business user.
* Worked with **Tableau** support to understand product limitations.
* Provided continued maintenance and development for bug fixes for existing and new **Tableau and Power BI** Reports.
* Experience with Data warehouse, Data lakes in the cloud.
* Build data sources using **tableau** according to business requirements.
* Utilized multi-dimensional and tabular model in analysis services to pull and generate reports directly from in-memory from back-end relational data sources.

**Client: Token Metrics, USA May 2019 to Apr 2020**

**Role: BI Data Engineer**

**Responsibilities:**

* Worked on **Installation, upgrading, patching** of tableau server on **Windows server environment**.
* As a platform team have experienced with resolving (5-10) **user tickets and technical issues** in tableau and resolved them within a pre-defined SLA’s (Service Level Agreement).
* Performed Data Wrangling.
* Participate in the full software development life cycle and provide expertise in MicroStrategy development
* Assists in creation of scope documents, management plans for projects through consultations with various stakeholders and business process owners
* Perform testing including Unit, Integration, Performance and Regression testing.
* Used **Tableau Commands** for various **Dashboard migrations** from one environment to another.
* Worked on Setup of Distributed Server environments for optimum load balancing.
* Worked on **scheduling the extracts** and setting up the **permissions for users and user groups**.
* Created, developed and deployed multiple drilldown and drill through reports by **using SSRS.**
* Involved in reviewing business requirements and analyzing data sources from **Excel/Oracle SQL Server** for design, development, testing, and production rollover of reporting and analysis projects within **Tableau Desktop.**
* Extensively worked on preparation of master tracker for both Business objects and **Tableau**.

**Client: Discovery, Inc. Silver Spring, MD Oct 2017 – Apr 2019**

**Role: BI Data Engineer**

**Responsibilities:**

* Designed, developed, maintained **Tableau functional** reports based on the requirements of the user.
* Experience in **design and development of Tableau visualization solutions**.
* 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** (10.5, 10.4/10.3/10.2/10.1/9.3/9.2).
* Extract Transform and Load **(ETL)** source data into respective target tables to build the required data marts.
* Experienced in **creating the groups, users, workbooks and permission sets** for the tableau server logons and checks.
* Hands on development in assisting the users in creating the worksheets and also modifying them and **data visualization** dashboards.
* Designed, developed, and tested various **Tableau/Tableau visualization** for dashboard and **ad-hoc reporting solutions.**
* Preparing Dashboards using the **calculations, parameters** in the **Tableau** and creating SQL datasets for Tableau and Ad-hoc reports.
* Used **Alteryx** to changed unstructured to structured data for better **Tableau** reporting and data analysis.
* Experience in **designing the data conversion strategy, development of data mappings** and the design of Extraction, transformation, and load **ETL** routines for migrating data from non – relational or source relational to target relational.
* Engaged in publishing the **developed reports to production Tableau server environment**.
* Exporting the database from Local server to the remote server and importing the current running database from remote server to the local DB Server using **SSIS**.
* Created **Tableau** Dashboards for different devices like Desktop, Tablet and Mobile phone.
* Implemented **Tableau** mobile dashboards via **Tableau** mobile application.
* Worked with business analysts, interpreted business requirements, and created server-based **Tableau** dashboards with automatic updates.
* Leveraged advanced features of **Tableau** such as calculated fields, parameters, and sets to support data analysis and data mining.

**Client: Satvat Infosol Pvt Ltd, India Feb 2014 - Sept 2016**

**Role: BI Data Engineer**

**Responsibilities:**

* Collaborated with end users, project stakeholders and support partners to identify needs, goals, and business models.
* Built a business dashboard with multiple panels and parameters by calculating and storing metrics and **KPI's**.
* Worked on **ETL** process (SQL Server Integration Services) to build data warehouse using different components (Control flow, data flow, event handler).
* Designed, developed and maintained **Tableau** Dashboards based on the user's requirement.
* Created custom joins to blend data from various data sources like Excel, text, sql, etc.
* Created Stacked Bars, Heat Maps, Scatter Plots, Filled Maps, and Symbol Maps per deliverable specifications.
* Worked extensively on calculated fields, hierarchy, groups, sets, parameters, etc.to develop complex dashboards and customized them as per the end user's requirements.
* Administered user, groups, and performed reports scheduling for reports in Tableau.
* Validated queries and reports before publishing it.
* Designed, developed and deployed rich Graphic visualizations with Drill Down and Drop-down menu option and Parameterized using **Tableau**.
* Developed stories from **Tableau Dashboards** to gain better insights for business decisions.
* Developed Tableau workbooks from multiple data sources using Data Blending by selecting primary keys from each database **for data validation**.
* Published reports on **Tableau** Server for easy access to end users.
* Provided support to **Tableau** users when required.
* Migration of databases from different platforms.
* Automated **ETL** process with **SQL** Server Agent to execute packages during off hours.
* Deployed **SSIS** packages to multiple environments utilizing the functionality of package configurations/Package Deployment.

**EDUCATION**

Master’s in Data Analytics from George Mason University - 2020

Bachelors in computer science and engineering from Anna University - 2014