**Sai K**

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**Tableau and BI Developer**

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**SUMMARY**

* Well Versed expert with skillful management and technical work experience **over 7 years** in IT including analysis, **design, development, implementation, deployment and maintenance of Business Intelligence, Data Warehouses** and Data Mining applications in Financial, Healthcare, Utility, and Manufacturing industries.
* Highly experienced in **Tableau, SQL server BI tools, creating visuals, building dashboards, generating reports** and customization to meet needs of end-user.
* Extensive ability to design and **display Graphic rich visualizations with Filters, Drill Downs and Parameters.**
* End to end experience in **Installation and configuration, designing and deploying data visualizations using Tableau.**
* Experience in **Graphic and User Experience Design and** Transforming Web/Graphic Designers static prototypes into **hand-coded HTML,** specifically emphasizing accuracy and efficiency & adhering to W3C-established web standards with respect to maintaining cross-browser/cross-platform compatibility and delivering final page templates, including optimized images.
* Experience in implementing and designing user interface for **web based customer application.**
* Designed business applications using web technologies **like HTML, XHTML, and CSS** based on the W3C standards.
* A highly motivated and excellent team player with technical expertise in software engineering processes and outstanding knowledge on life cycle of the software design process (SDLC).
* Extensive knowledge of all phases of the Software development life cycle **(SDLC), Agile, Scrum** and the iterative Rational Unified Process **(RUP)**including **Waterfall.**
* Experience in gathering and writing detailed **business requirement** and translating them into **technical specifications/ System Requirement Specifications** (SRS) and **design** identifying interface and business process specifications.
* Extensive Experience working with business users/SMEs as well as senior management.
* Outstanding knowledge in relational Data modeling, Dimensional data modeling, logical/Physical Design, ER Diagrams, forward and reverse engineering, Publishing ERWIN diagram, analysing data sources, creating interface documents etc.
* Strong understanding of the principles of Data warehousing using **Fact Tables, Dimension Tables, StarSchema** and **Snowflake Schema** modeling.
* Expertise in **Teradata**, **Oracle**, **SQL Server**, **Informatica, SSIS, SSRS, Toad**, **Microsoft Office Suite**.
* Outstanding knowledge in writing complex **SQL** queries, **Stored Procedures**, database tuning, query optimization and resolving key performance issues.
* Extensive experience in using **Tableau functionalities** for creating different **Reports**, **Interactive Dashboards** with page and dashboard Prompts.
* Proficient in design and development of various dashboards, reports utilizing **Tableau Visualizations** like **bar graphs**, **scatter plots**, **pie-charts**, **geo and custom geo maps** and other making use of **actions, local and global filters** based to the end user requirement.
* Expertise in designing and creating various analytical reports and **Dashboards** to help users to identify critical KPIs and facilitate strategic planning in the organization.
* Expert in **Unit, System** and **User Acceptance Testing** and Performed **Data Validation** for all the reports and dashboards generated from various database sources.
* Outstanding Data analysis skills including **Data mapping** from **source to target** database schemas, **Data Cleansing** and processing, writing data extract scripts/programming of data conversion and researching complex data problems.
* Good working knowledge of Meta-data management in consolidating metadata from disparate tools and sources including Data warehouse, ETL, Relational Databases and third-party metadata into a single repository to get information on data usage and end-to-end change impact analysis.
* Experience in writing complex **SQL** scripts/ queries to perform End-to-End ETL validations and support Ad-hoc business requests.
* Strong influence management skills, reporting and analytical/problem solving skills with attention to detail.
* Highly motivated team player with excellent Interpersonal and Customer Relational Skills, Proven Communication, Organizational, Analytical, Presentation Skills, and Leadership Qualities.
* Involved in Tableau 10 Beta testing.
* Used data blending to achieve custom geo coding using excel.
* Created Extracts, used scheduling, maintenance of subscriptions, creation of groups / users for accesses appropriately.

**Technical Skills:**

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| --- | --- |
| **Reporting Tools** | Tableau 9.3,9.2, 8.x, 7,6, Business Objects 5.x/4.1, SSRS |
| **ETL Tools** | Informatica, Microsoft SQL Server Integrated Services |
| **Databases** | Teradata, Oracle 11g, DB2, MSSQL Server, Sybase |
| **Requirements Management** | Requisite Pro, Microsoft Office (Word, PowerPoint Excel) |
| **Front End Tools** | Microsoft Project, Microsoft Office, Visible Analyst, Lotus Notes |
| **Document Management** | Documentum, Visual Source Safe 6.0, Share point, Ultra Edit |
| **Defect Management tool** | HP Quality Center, SharePoint, JIRA |
| **Methodologies** | Data Modeling – Logical/Physical/Dimensional, Star/Snow flake Schema, ETL, OLAP, Complete Software Development Lifecycle, CMMI Compliance, Waterfall, Agile, Iterative |
| **Data Modeling Tools** | ERwin, ER Studio |
| **Languages** | C, SQL, PL/SQL and Javascript |
| **Web Applications** | HTML, Java, JSP, Python, HTML, CSS, Perl, XML and JavaScript |

**Professional Experience:**

**BCBS, Detroit, Michigan December’16 – Present**

**Role: Sr. Tableau Developer**

**Responsibilities:**

* Responsible in identifying analytics approaches and develop supporting data sets.
* Played crucial role in applying predictive and prescriptive analytics to solve business problems.
* Worked on Tableau visualization tool to create graphic rich dashboards for both Mobile and Desktop.
* Designed and developed various analytical Dashboards from multiple data sources by blending data on a single worksheet in Tableau Desktop.
* Designed and Developed reports for various business functionalities like Credit card, Merchant, Loans, and Asset etc.
* Created Prompts, Parameters, customized Calculations, Conditions, Groups, Sets, Bins, Context filters and LODs for various analytical reports and Dashboards.
* Created Custom Hierarchies to meet the Business requirement in Tableau
* Developed Tableau Dashboards based on KPI (Key Performance Indicators) for the top management.
* Performed source data quality assessments and created source to target mapping documentation defining source rules, target rules, and data transformations for various ETL mappings in Informatica.
* Experience in creating different visualizations using charts like Bars, Lines and Pies, Maps, Scatter plots, Gantts, Bubbles.
* Developed Tableau workbooks to perform year over year, quarter over quarter, YTD, QTD and MTD type of analysis
* Implemented sets to display Top N/Bottom N projects based on business defined conditions in a portfolio.
* Liaised with business stakeholders to conduct effective discussions on project/reporting needs, data specifications, priority and timeline to ensure timely and accurate deliveries.
  + Responsible for assessment for new reports, changes to existing reports and reports transitioned from various business areas so that they can be addressed in new or existing reporting packages and prevent duplicate/redundant reporting
  + Ensured maintenance of necessary documentation for key BI & Reporting processes and deliverables.
  + Designed and developed Tableau Reports, Dashboards and Stories using visual design best practices.
* Defined best practices for Tableau report development.
* Mastered the ability to design and deploy rich Graphic visualizations with Drill Down and Drop down menu option.
* Worked with structured and unstructured data sources using Big Data technologies (Hadoop, Spark, etc.) across the solution lifecycle.
* Experience with analytics using statistical methodologies and tools (R, Python, SAS, SPSS, etc.).
* Designed and developed data ingestion processes for structured and unstructured dataincluding parsing routines and scripts to automate.
* Implemented data integration across the analytics infrastructure.
* Technical contributor for project planning process as a project lead or subject matter expert.
* Implemented large scale analytics infrastructure in the cloud (AWS, Azure,etc.).
* Possess experience in database technologies, ETL tools and L skills for querying andmanipulating datasets.
* Good Understanding on data warehousing concepts including data integration for data warehouse objects.
* Demonstrated skills in project planning and collaborating with groups.
* Ability to describe challenges and solutions in both technical and business terms.

**Environment: Tableau Desktop,10.3 Tableau server, Oracle, Informatica, Access, MS SQL Server, Excel, HP ALM**

**United Health Group – Eden Prairie, MN November ’15– October ‘16**

**Sr. Tableau Developer**

**Description:** United Health Group is the most diversified health care company in the United States and a leader worldwide in helping people live healthier lives and helping to make the health system work better for everyone. Currently working on Quality Management project and our team mainly focuses on working on Hedis reporting and stars module.

**Responsibilities:**

* Lead a team of 4 in complete end-end Tableau Implementation from Gathering requirements, Design, Development and implementation of Tableau and OBIEE applications.
* Hands-on development assisting users in creating and modifying worksheets and data visualization dashboards.
* Designed dashboard templates as per the requirement and dashboard content which includes complex tabular reports.
* Utilized capabilities of Tableau such as Data extracts, Data blending, Forecasting, Dashboard actions and Table calculations.
* Involved in creating a dual-axis bar charts with multiple measures, box plots, heat maps and background maps and trend lines statistics.
* Worked with the advanced Tableau features including calculated fields, parameters, table calculations, joins and dashboard actions.
* Worked on creating various dashboards in Tableau Desktop by querying various ODBC connections such as Teradata, Oracle SQL Developer, and SQL Server.
* Created SQL scripts for testing and validating data on various reports and dashboards and handled performance issues effectively in Tableau
* Restricted data for users using Row Level Security and user Filters.
* Involved in creating data blending in case of merging different data sources.
* Was a SME for designing graphs and tables to make them visually exciting, and aesthetically pleasing, while at the same time maintaining the accuracy of the core information content that is being communicated.
* Extensively Involved in Optimizing DB2 and Oracle SQL Views for the Data load and Dimensions Build.
* Created Custom complex SQL Queries to generate the data from data base and use it for making Innovate Dashboards for easy Data Visualization and Forecasting in Tableau.
* Performed extensive GAP analysis in the project as there were numerous 'As-Is' and 'To-Be' conditions
* Involved in installation and maintenance of Tableau Server and administering users, user groups, projects and scheduling instances for dashboards in Tableau.
* Involved in creation of workbooks and the appropriate permission sets for Tableau server logons and security check.
* Designed and developed various applications artifacts including dimensions, data forms, business rules, reports, books, workflow, security etc.
* Extensively used Tabadmin and Tabcmd commands in creating backups and restoring backups of Tableau repository.
* Experience in Data Warehouse development working with Data migration, Data conversion and Extraction/transformation/Loading using Informatica power centre with Oracle, SQL server, DB2 and Teradata.
* • Applied slowly changing dimensions like type 1 and type 2 effectively to handle the delta loads.
* • Developed mapping parameters and variables as per the requirement
* • Used Debugger to test the data flow and fix the mappings.
* • Developed the ETL mechanisms to load the data incrementally from the source database into the staging area and from there to feed the satellite applications in the form of flat files, XML files and relational tables. Most of the extract process was incremental, while others were full loads and snapshots. Wrote PL/SQL Stored Procedures, Functions and Packages
* Involved in some DBA Activities like creating Tables and Indexes to Improve the Retrieval Performance of the Data views in DB2 and Oracle databases
* Responsible for migrating the web catalog and RPD from DEV, UAT and Production environments.

**Environment:** Tableau Desktop 9.x, Tableau server, Informatica, OBIEE 11g, Oracle SQL developer, SQL Server, Oracle 10g, PL/SQL, T-SQL, MS Access, Windows server, Teradata, MS Office.

**Shelby County, Memphis, TN November ’14 – October ‘15**

**Tableau Report Developer**

* Actively involved in gathering requirements from end users, involved in modifying various technical & functional specifications.
* Experience with the design and development of Tableau visualization solutions.
* Involved in creating dashboards and reports in Tableau. Created report schedules on Tableau server.
* Analyzed requirements for various reports, dashboards, scorecards and created proof of concept / prototype the same using Tableau desktop.
* Mentored business power users to create reports/dashboards using Tableau desktop.
* Extensively used advance chart visualizations in Tableau like Dual Axis, Box Plots, Bullet Graphs, Tree maps, Bubble Charts, Water Fall charts, funnel charts etc., to assist business users in solving complex problems.
* Responsible for the design, development, testing and implementation of systems to load source data into Target databases using Informatica.
* Developed of key indicators and the appropriate tracking reports with graphical and written summations using summary and Annotations to assist in the quality improvement initiatives.
* Created quick Filters, customized Calculations, Conditional formatting for various analytical reports and dashboards.
* Worked on data blending and linking in case of merging different sources.
* Created a dual-axis chart with multiple measures and Synchronize the scale as per the need.
* Performed Tableau type conversion functions when connected to relational data sources.
* Created incremental refreshes for data sources on Tableau server.
* Created Global Prompts, Narrative Views, Charts, Pivot Tables, Compound layouts to design the dashboards.
* Publish the developed dashboard, reports on the Tableau Server so that the end users having access to the server can view the data.
* Scheduled frequency and time to refresh data for the when sources are publishing or extracted to server.
* Use MS Excel, Word, Access, and Power Point to process data, create reports, analyze metrics, implement verification procedures, and fulfill client requests for information.
* Involved in testing the database using complex SQL scripts and handled the performance issues effectively.
* Involved in Onsite & Offshore coordination to ensure the completeness of Deliverables.

**Environment:** Tableau Server 8.x, 9.x, Tableau Desktop 8.x, 9.1, Teradata 12, SQL Server 2008, PL/SQL, SQL Developer, Informatica Power Center, SQL Server 2008, Control-M

**TMG Health, Conshohocken, PA July ’13 – November ’14**

**TableauDeveloper/ Data Analyst**

TMG Health, Conshohocken is a leading national provider of expert solutions for Medicare Advantage, Medicare Part D and Managed Medicaid planswith a network of hospitals, outpatient centers and primary care physicians. University Hospitals Case Medical Center is home to world-class clinical and research centers, including cancer, pediatrics, women's health, orthopedics, spine, radiology, radiation oncology, neurosurgery neuroscience, cardiology, cardiovascular surgery, organ transplantation, and human genetics. Implemented Tableau Desktop and server created Dashboards for various departments so that they can delve in to larger datasets and resolve the problems quickly.

**Responsibilities:**

* Interacted with business user group for domain requirements gathering.
* Extensively used Visio to create Use Cases Diagrams, Activity Diagrams.
* Involved in defining the whole project life cycle, following agile methodology. Analyse business requirements and segregated them into high level and low level
* Develop, Organize, manage and maintain graphs, tables, slides and document templates for the efficient creation of reports.
* Interact professionally with diverse group of professionals in the organization including managers and executives.
* Developed Standard Operating Procedures (SOP) for Monitoring.
* Extensively used data blending, embed functionalities in Tableau.
* Deployed Tableau Server in clustered environment by mapping server nodes to primary machine.
* Building, publishing customized interactive reports and dashboards, report scheduling using Tableau server. Creating New Schedule's and checking the task's daily on the server.
* Created Tableau scorecards, dashboards using stack bars, bar graphs, scattered plots, geographical maps, Gantt charts using show me functionality.
* Gathered user requirements, analysed and designed software solution based on the requirements.
* Interacted with Business Analysts and Data Modelers and defined Mapping documents and Design process for various Sources and Targets.
* Defined best practices for Tableau report development and effectively used data blending feature in tableau.
* Create, customize & share interactive web dashboards in minutes with simple drag & drop method and access dashboards from any browser or tablet.
* Connect to Oracle directly, created the dimensions, hierarchies, and levels on Tableau desktop.
* Creating users, groups, projects, Data connections, and settings as a tableau administrator.
* Involved in creating dashboards and reports in Tableau and Maintaining server activities, user activity, and customized views on Server Analysis.
* Involved in creating database objects like tables, views, procedures, triggers, and functions using T-SQL to provide definition, structure and to maintain data efficiently.
* Good SQL reporting skills with the ability to create SQL views and write SQL queries highly recommended.

**Environment:** Tableau Desktop/Server 6.x-7.x, SQL Server 2008, HPQC, Oracle 11g, Business objects, SQL, PL/SQL, T-SQL, Microsoft office 2007

**Capital Research and Management Co., Atlanta, GA March’ 12 – June ’13**

**Sr. Tableau Developer**

Capital Research and Management Co. is a private investment management company has been singularly focused onserving individual investors, financial intermediaries and institutions around the world through a broad range of products and services that include American Funds, one of the largest mutual fund families in the U.S. by assets under management., which acts as investment advisors for clients from more than 50 countries around the world. Created Reports and Dashboards for Liquidity Coverage Ratio and Risk-Weighted Assets using Tableau.

**Responsibilities:**

* Gathered requirements from end users, involved in modifying various technical & functional specifications
* Designed and Developed various analytical reports from multiple data sources by blending data on a single worksheet in Tableau Desktop
* Utilized advance features of Tableau software like to link data from different connections together on one dashboard and to filter data in multiple views at once.
* Involved in new KPI generation for Scorecards.
* Installed and upgraded of Tableau server and server performance tuning for optimization.
* Administered user, user groups, and scheduled instances for reports in Tableau.
* Hands-on development assisting users in creating and modifying worksheets and data visualization dashboards.
* Defined best practices for report development.
* Experience with creation of users, groups, projects, workbooks and the appropriate permission sets for Tableau server logons and security checks.
* Data collection and leveraging on data manipulation teams for required data.
* Developed complex SQL scripts for Teradata database for creating BI layer on DW for tableau reporting.
* Identify new metrics and enhance the existing KPI's.
* Preparing Dashboards using calculations, parameters in Tableau.
* Understanding of relational database structures, theories, principles, and practices.
* The ability to interact professionally with a diverse group, including executives, managers, and LOB.
* Working on generating various dashboards in Tableau server using various sources such as Teradata.
* Found ways to make graphs and tables visually exciting, and aesthetically pleasing, while at the same time maintaining the accuracy of the core information content that is being communicated
* Involved in being a lead for Tableau support.
* Defined and created procedures to install Tableau desktop in silent mode.
* Extensively used Tabadmin and Tabcmd commands in creating backups and restoring backups of Tableau repository.
* Published developed dashboard, reports on the Tableau Server so that the end users having access to the server can view the data.
* Scheduled frequency and time to refresh data for the when sources are publishes or extracted to server.
* Responsible for Developing a Dashboard and preparing ad-Hock Reporting.

**Environment**: Tableau Desktop 8.1-8.2, Tableau server / Administrator, JavaScript, SQL developer, SQL 2008, Oracle 10g, PL/SQL, T-SQL Microsoft Excel 2007,MS Access, Windows 2007 server, java 1.5 platform, Teradata, Microsoft office 2007, Business objects 4.0.

**CAPRUST IT Inc, Frisco, TX May ’10 – Feb’ 12**

**Business System Data Analyst**

CAPRUST IT Inc. is a leading provider for IT products and services to the customers with high quality electronic products in areas like Information technology and Information & telecommunication systems, Power and Electronic and Automotive Components and Devices and Digital Media consumer products. The Project is to implement Reporting Models, Cubes and Reports to cater various business needs.

**Responsibilities:**

* Requirement gathering for various users, interviewing them, and satisfying their exact needs.
* Involved in the complete Life cycle of the Project and in the data analysis process
* Gather the various requirement matrices from the business analysts.
* Worked with Master Data Management.
* Assisted the DBA in converting the logical models to physical.
* Conduct Design discussions and meetings to come out with the appropriate Data Mart using Kimball Methodology.
* Designs for the various reporting requirements.
* Conduct Design reviews with the business analysts, content developers and DBAs to ensure the feasibility of the designs.
* Used Erwin for developing data model and forward engineer the data model.
* Reverse engineered the database in to physical data model by using Erwin.
* Developed entities and relationships using Sybase Power Designer.
* Developed Data Migration and cleansing rules for the integration architecture.
* Developed data mapping documents between legacy, production and user interface systems.
* Designed different type of STAR schemas like detailed data marts, Plan data marts,
* Used Erwin for monthly summary data marts and inventory data marts.
* Designed ER Diagrams, star schema and snow flake schema.
* Importing source definitions. Creating and importing target definitions. Creating the table targets.
* Created and modified of Attributes, Facts, Metrics, Filters and other report objects.
* Conducted data validation testing to ensure data quality.
* Active Participation in checking the data at database level and at SSRS level in case of displaying wrong data.
* Tested all the business application rules with test & live data and automated.
* Involved in testing and fixing bugs on test and On-line data.
* Worked with the Implementation team to ensure a smooth transition from the design to the implementation phase.

**Environment:**Informatica, Cognos, Power Designer, PL/SQL, Oracle9i, TOAD, UML, Microsoft Office Suite (Word, Excel, Power Point, Visio).