### Name: Kavya Pathuri

Sr. Tableau Developer/Sr. Data Analyst

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PROFESSIONAL SUMMARY

* Qualified professional with **8+ years**of IT experience in Analysis, Design, Development and Implementation of Data Warehousing and Database applications along with 4+ years of data visualization using **Tableau**Application.
* **Certified Tableau Desktop 9 Qualified Associate** with extensive experience Tableau application including Tableau **Desktop versions 10/9.2/8.3/7, Tableau Reader, Tableau Public, and Tableau Server**.
* Expertise in creating better dashboards using techniques for guided analytics, interactive dashboard design, and visual best practices to convey the story inside the data.
* Proficient in design and development of various dashboards, reports utilizing advanced **Tableau Visualizationslike Pareto chart, Funnel chart, Tree maps, Scatter plots, geographic visualization** and making use of actions, **local and global filters** according to the end user requirement.
* 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.
* Expertise in analysis, design and implementation of data warehousing/ BI solutions **using Tableau, MicroStrategy , SSRS, Informatica and Alteryx.**
* Proficient in developing **Entity-Relationship diagrams, Star/Snow Flake Schema** Designs, and Expert in modeling Transactional Databases and Data Warehouse.
* Extensive experience in Tableau Desktop and Server, creating highly interactive Data visualization Reports and dashboards using **Data Blending, Extracts, Calculation Fields, LOD, Filters, Actions, Parameters, Context Filters, Sets, Groups, Aggregate measures, Page Trails** etc.
* Experience in developing multiple dashboards/reports using various charts like **Stacked Bar/Pie, Line/Area, Donut, Dual-axes charts, Geo-Maps, Bubble, Scatter and Heat Maps**.
* Expert in Strong understanding of dimensional data modeling, Strong SQL optimization capabilities, Metadata Management i.e., Connections, Data Model and **VizQL Model.**
* Experience in implementing advanced geographic mapping techniques and use custom images and geo coding to build **spatial visualizations** of non-geographic data.
* Experience in **TABCMD & TABADMIN**, Email alerts, scheduling, data backup, and drivers setup activities.
* Experience in Tableau Administration Tool for Configuration, adding users, managing licenses and data connections, scheduling tasks, Content Administration, embedding views by integrating with other platforms utilizing **java API**.
* Experience with **Alteryx** to collect the required data from large complex databases.
* Extensively worked on databases like **Oracle, SQL Server, DB2,** and **Teradata.**
* Strong programming and debugging skills **in PL/SQL, SQL** and **UNIX** shell scripting.
* Expertise in writing **SQL Queries, Dynamic-queries**, and **complex joins** for generating Complex Stored Procedures, User-defined Functions, Views, Cursors and Triggers.
* Coordinated technical reviews, developed system requirements. Developed test requirements, test plans, scripts, test conditions and test data. Supported status reporting and test execution **for Unit testing, Integration testing, System testing, Regression testing, and User Acceptance Testing (UAT).**
* Adept in analyzing bugs, interacting with team members in fixing errors and UAT and also assisted in PostProduction support.
* Strong management skills, reporting and analytical/problem solving skills with attention to detail.
* Highly motivated team player with excellent Interpersonal and Customer Relational Skills.

TECHNICAL Skills

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| --- | --- |
| **BI Reporting Tools** | **Tableau10/9.2, 8.2/8.1/7 (Desktop/Sever/Reader), Micro Strategy, SSRS** |
| **ETL Tools** | **Informatica, Alteryx, DataStage, SSIS** |
| **Requirements Management** | **Requisite Pro, Microsoft Office (Word & Excel)** |
| **Tools** | **SQL Developer, TOAD, SQL Plus, Rapid SQL, HP Quality center 10.0, Microsoft Project, Microsoft Office, Visible Analyst, Lotus Notes** |
| **Databases** | **Teradata, Oracle, SQL Server, DB2, Sybase, Access etc** |
| **Scripting Languages** | **SQL, PL/SQL, Unix Shell Script, javascript, Visual Basic, XML** |
| **Document/Code management** | **Share point, SVN, Clear Case** |
| **Methodologies** | **Data Modeling – Logical/Physical/Dimensional, Star/Snow flake Schema, OLAP, Agile/Waterfall** |
| **Data modeling** | **Power Designer, Erwin, ER Studio, MS Visio** |

professional experience

**AXIS Capital**

**Alpharetta, GA Jun 2016-Present**

**Role: Sr. Tableau Developer/Sr. Data Analyst**

**AXIS Capital** offers various risk transfer products and services through subsidiaries and branch networks in Bermuda, the United States, Canada, Europe, Australia and Singapore.The company offers insurance services including Property, Professional Lines, Marine, Energy, Environmental and other insurance solutions.The project mainly consists of creating Tableau dashboards analyzingproduct, geography, customer segment and distribution channels data.

**Responsibilities**

* Gathered end user requirements from business and Finance to develop Executive dashboards constituting of Financial Forecast, Pre sales, Risk and underwriting Business.
* Developed corporate financial dashboards using the enterprise business intelligence for evaluating the Growth, distribution and Profitability for the executives.
* Developed Information Technology Metrics dashboards to evaluate the efficiency of the Technology partners for the segment leads and improve productivity and delivery schedules.
* Created Dashboard mock-ups or Proto Types for Business partners so as to give them a beforehand experience of how final product would look like.
* Created side by side bars, Scatter Plots, Stacked Bars, Heat Maps, Filled Maps and Symbol Maps according to deliverable specifications.
* Provide Business Intelligence support using Tableau for implementing effective Business dashboards & visualizations of data.
* Develop manage and maintain data dictionary or metadata.
* Design Metadata Layer for Tableau reports and Tableau metadata management with maintaining consistency in server data source.
* 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.
* Generate KPI for customer satisfaction survey results and disease management.
* Created Data Connections, published on Tableau Server for usage with operational/Monitoring Dashboards.
* Created Tableau worksheet which involves Schema Import, Implementing the business logic by customization.
* Developed business process and technical design documentation for each reporting service developed in this project.
* 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.
* 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 on a daily basis.
* Created various complex SQL Queries, Stored Procedures, and User Defined Functions to implement the business logic.
* Took regular back-ups of the Production Metadata in SQL Server Database.
* Developed internal and external performance management dashboards enabling business intelligence reporting for application portfolio.
* Incorporated a regional and national comparative / benchmark metrics to give context to Horizon performance.
* Created extensive custom joins for blending data from several different data sources.
* Maintained Test log and Wrote test Evaluation, Summary Reports.
* Extensively involved in doing user acceptance testing (UAT).
* Generated Test Cases for each specification in Requirement Specification Document corresponding to each module.
* Performed Tableau Admin duties that comprised configuration, adding users, groups, managing licenses and data connections, scheduling tasks, embedding views in the Tableau Server.
* 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.
* Upgraded Workbooks and Dashboards from Tableau 8 to Tableau 9.

**Environment: Tableau (Desktop/ Server)10/9.2, Alteryx, SQL Server, SSRS, ERwin, HP Quality Center 10.0, Oracle 11g, PL/SQL, TOAD, SVN, SQL Developer.**

**American Heart Association**

**Dallas,TX Feb 2015-May 2016**

**Role: Sr. Tableau developer/ Data Analyst**

**The American Heart Association** is a non-profit organization and the nation's oldest and largest voluntary organization dedicated to fighting heart disease and stroke. They provide science-based treatment guidelines to healthcare professionals to help them provide quality care to their patients.The project is to identify Health Care Metrics like Workplace Health Achievement Index utilizing internal and external data and provide analytical solutions using Tableau.

**Responsibilities**

* Involved in reviewing business requirements and analyzing data sets from Teradata/Oracle SQL Server databases 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. Converted business requirements into story-telling by developing views and dashboards in Tableau Desktop and publish them to Tableau Server allowing end-users to control data and filter down further as desired.
* Participated in weekly meetings and document Tableau dashboard development progress. Manage timeline on project deliverable.
* Created extract files for improving the performance. Used different Mark types and Mark properties in views to provide better insights into large data sets. Created various types of charts to provide better visualization.
* Designed and developed various analytical reports from multiple data sources by **blending** data on a single worksheet in Tableau Desktop.
* Developed key indicators and the appropriate tracking reports with graphical and written summations to assist in the quality improvement initiatives.
* Created quick Filters, customized **Calculations, Conditional formatting**for various analytical reports and dashboards.
* Created and modified Interactive Dashboards and Creating guided navigation links using Actions within Interactive 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 publishes or extracted to server.
* Design and development of various reports and dashboards that can be easily accessible through Tableau App in Ipads, iPhones, and other smart mobile phones.
* Ensured on-time and on-budget performance of the assigned efforts to the mutual satisfaction of the business

Partners/sponsors.

* Provided post implementation production support.Develop various data connections from data source to Tableau Server for report and dashboard development.
* Implemented advanced geographic mapping techniques and use custom images and geo coding to build spatial visualizations of non-geographic data.
* Improved Reports performance in tableau using **extracts** and **context filters.**
* Combined visualizations into Interactive Tableau Dashboards and published them to the web portal using **Java API**.
* Utilized**Tabadmin** and **Tabcmd**commands to create backups and restore backups of Tableau repository.
* Involved in Tableau server maintenance and **backup** activity.
* Created stored procedures and triggers to provide complete technical solutions.

**Environment: Tableau 7.x(Desktop, Server), Teradata, Oracle,MicroStrategy,UC4, java API, MS VISIO, and Microsoft Office (Word, Access, Excel, Outlook).**

**The Stow Company**

**Holland,MI Jul2013- Jan 2015**

**Role: Sr.Tableau Developer/Data Analyst**

**The Stow Company** manufactures a complete range of organization solutions for all areas of the home. Our products include closet organizers, garage storage systems, pantry organizers, wall beds, laundry storage, entertainment centers, mudroom storage and more, marketed under the EasyClosets, ORG Home, and Easy Track operating groups.The project is to provide analytic insights and solutions to theSales, Marketing and Finance teams using Tableau analytics.

**Responsibilities**

* Worked as a Tableau Desktop Consultant focusing on developing high-end visualizations driven by data coming in from Teradata and SQL Server.
* Convert business requirements into story-telling by developing views and dashboards in Tableau Desktop and publish them to Tableau Server allowing end-users to control data and filter down further as desired.
* Comprehended business user requirements, analyzed data, and designed software solutions in Tableau Desktop based on the requirements.
* Calculated the **Variance(YOY)**in Sales of current year over last year using advanced table calculations.
* Designed and developed Seller and Customer snapshot, focusing on the active and inactive customers of each seller.
* Created Custom maps to analyze sales in various regions using **Custom Geocoding**and **Powertools** for Tableau.
* Designed a performance evaluation dashboard to display **YTD,QTD and MTD** performance of each business category.
* Extensively designed**KPI‘s** using Custom Shapes to help users quickly evaluate status of a metric.
* Identified the outlier s **(Top X and Bottom X**) of each business segment using **Rank** table calculation.
* Calculated the percentage of contribution of sellers to total sales and profit using **Pareto analysis**.
* Created Table of Contents (TOC), a common navigation page which had all the links to various reports.
* Created stored procedures and triggers to provide complete technical solutions.
* Worked with all levels of development from analysis through implementation and support.
* Reviewed basic SQL queries and edited inner, left and right joins in Tableau Desktop by connecting live/dynamic and static datasets.
* 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.
* Tested dashboards to ensure data was matching as per the business requirements and if there were any changes in underlying data.
* 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.
* Provided support once the dashboards were published if there were any data changes, system changes, or requirement changes.
* Implemented best practices in all the dashboards using extracts,**context filters** and fixed time consuming reports using performance recording feature.
* Participated in meetings, reviews, and user group discussions as well as communicating with stakeholders and business groups
* Administered user, user groups, and scheduled instances for reports in Tableau Server.

**Environment: Tableau 8.3/9.0, Teradata,Oracle, SQL Server, Teradata SQL Assistant, TWS, MS VISIO, Microsoft Office Suite.**

**Elephant Insurance**

**Richmond, VA Feb 2012-Jun 2013**

**Role: Sr. Data Analyst/ BI Developer**

**Elephant Insurance**is a subsidiary of Admiral Group plc. Admiral Group is the third largest auto insurer in the United Kingdom with eleven brands extending into three additional European countries. Admiral operates a direct-to-consumer business model, serving customers via the phone and internet, and has nearly 2 million customers worldwide. The objective of the project is to extract data stored in different databases and load into oracle system staging area and finally into Teradata DW and the business logic is applied to transform the tables in the required way. The data warehouse is fed by marketing data, sample data, market (competitor) data and others which is used as source for analytical reporting.

**Responsibilities**

* Interaction with business to collect and understand Requirements.
* Translated the business needs into system requirements by communicating with the business on non-technical level and with the System Analyst on technical level.
* Arranged walkthrough sessions with the user group and to confirm that all the requirements have been captured and obtained sign off on the requirements documents.
* Identified the key facts and dimensions necessary to support the business requirements. Develop the logical dimensional models.
* Used UML and Visio for creating Activity diagrams, Sequence Diagrams.
* Identified the objects and relationships between the objects to develop a logical model in Erwin tool.
* Used Erwin for relational database and dimensional data warehouse designs.
* Developed entity and attribute descriptions and definitions for the models and ensure that conflicts in descriptions and definitions are resolved.
* Translated the logical model into physical model using Forward Engineering technique in Erwin tool for both OLAP and OLTP systems.
* Conducted and participated in JAD sessions with the users, modelers, and developers for resolving issues.
* Worked with Master Data Management architects to develop data models.
* Writing complex queries using Teradata SQL.
* 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.
* Created Data Definitions and help maintain Metadata repository.
* Utilized Erwin for reverse engineering the database from DDL scripts.
* Created documentation, worked with users for new module enhancements and testing.
* Designed and Developed Drill through Reports, Dashboards and modified the existing Dashboards using MicroStrategy Desktop.
* Interacted with the End users on a regular basis for resolving issues pertaining to the reports.

**Environment:Informatica Power Center,MicroStrategy, ERwin, Teradata, Oracle, PL/SQL, SQL Server 2008, MS SQL, DB2, MS Office Suite (Word, Excel, PowerPoint)**

**CROSSMARK Retail Technologies**

**Plano, TX Oct2010-Jan 2012**

**Role: Data Analyst**

**CROSSMARK** is a leading sales and marketing services company in the consumer goods and services industry that delivers smarter solutions to clients for faster growth by in-store data collection, event marketing, retail analyticsetc.The installed demo stations facilitate product sampling and based on these samplings events, sales are analyzed for different time periods.

**Responsibilities**

* Gathered Business Requirements, Interacted with the Users, Project Manager and SMEs to get abetter understanding of the Business Processes.
* Translated the business needs into system requirements by communicating with the business on on-technical level and with the System Analyst on technical level.
* Worked with users and coordinated with actuate developers to understand and capture data/reporting requirements.
* Interacted with the stakeholders by interviewing them, by preparing questionnaire and getting feedback.
* Collaborated with Enterprise Architecture, IT leadership and internal stakeholders.
* Communicated Project Requirements, Business Issues, Solution and made recommendation.
* Worked with Project team to determine technical and development impact of a project.
* Responsible for defining the scope of the project, gathering business requirements, doing gap analysis and documenting them textually or within models
* Gathering and documenting the requirements that are critical to the business mission and using those requirements to design application software.
* Modeled use-case diagrams in Rational Rose to show end-user interaction with the personal information, loan information& property information modules.
* Identified and developed quality management plans, test scenarios, and test scripts for useracceptance based on system requirements.
* Used MS Visio for flow-charting, process model and architectural design of the application.
* Documented business workflows textually as well as in UML diagrams according to Scrum for thestakeholder review.
* Conducted JAD sessions to allow different stakeholders to communicate their perspectives with each other,resolve any issues and come to an agreement quickly.
* Performed feasibility, adaptability study and risk analysis to identify the business critical areas from the user perspective.
* Developed data mapping procedures ETL - Data Extraction, Data Analysis and Loading process of collected data.
* Designed and developed a business intelligence dashboard using MicroStrategy’s Web development tools, allowing executive management to view current and past performance sales trends, forecast sales, and to track existing customer sales.
* Responsible for the design, development, testing and implementation of systems to load source data into Target databases using Informatica.
* Actively tracking schedule, clear and crisp communications with key resources, stake holders and SMEs to keep everyone involved in the project on the same page, milestone tracking and avoiding scope creep issues.

**Environment: Oracle, TOAD, SQL, Share Point, TFS, Agile-Scrum, Informatica, MicroStrategy, Autosys, UNIX,**

**SQL Server (SSIS, SSRS), ERwin, MS VISIO, Microsoft Office (Word, Access, Excel, Outlook, Project).**

**Mphasis**

**Bangalore, India May 2009-Sep 2010**

**Role: SQL Analyst**

**Mphasis**is a leading IT solutions provider, offering Applications, Business Process Outsourcing and Infrastructure services globally through a combination of technology knowhow, domain and process expertise. Mphasis have been delivering quality solutions across verticals that meet the challenging requirements of the esteemed customers. My role was to analyze the data and develop SQL packages.

**Responsibilities**

* Created new database objects like procedures, functions, packages, triggers, indexes and views using T-SQL in development and production environment for SQL server 2005.
* Extracted data from xml and flat files using SSIS
* Developed reports using crystal reports and used table control, matrix control for cross tab reports.
* Involved in designing of conceptual logical model and physical model
* Generated parameterized/Drilldown, Drill through & Cascaded reports using SSRS and Crystal Reports.
* Fine-tuned the logic in procedures, functions and triggers for optimum performance.
* Developed database triggers to enforce data integrity and additional referential integrity.
* Wrote transact SQL utilities to generate table insert and update statements
* Involved in performance tuning and monitoring of both T-SQL and PL/SQL blocks
* Used SQL profiler and query analyzer to optimize DTS package queries and stored procedures.
* Involved in performance tuning using indexing (cluster index, non-cluster index) tables.

**Environment: SQL Server 2005, SQL Server Integration Services (SSIS), MS Excel, MS Access, Management Studio, SQL Profiler and SSRS.**