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Experience Summary

- Highly analytical, innovative and process - oriented Data Analyst with 2 years of experience in Business Intelligence field, worked on Spotfire Application and Administration, Iron python, JavaScript, HTML, CSS, Linux/Unix and SQL Database for developing complex dashboards.
- Good experience in implementation of Data Analytics, Data Visualization and Business Intelligence (BI) domain with technical data experience, including combinations of business analysis, data analysis, data modelling, data visualization, data maintenance, data mapping, data quality, data stewardship, interaction and requirements gathering from business stake holders, understanding data, design queries and manage transformations to enable analytics and effective reporting.
- Strong analytical, problem-solving skills and ability to work on Agile methodology.
- Full understanding of various phases of software development lifecycle which includes Analysis, Design, Development, Testing, Implementation and Support.

Education

Title of the Degree with Branch	College/University	Year of Passing
B. Tech (CSE) (Bachelor of Technology in Computer Science and Engineering)	PBR Visvodaya Institute of Technology & Science, Kavali	MAY 2016 – 2020
Intermediate	Sri Chaitanya junior college (Raman bhavan3), Vijayawada	MAY 2014 – 2016
SSC	Minerva English Medium High School, Kavali	MAY 2013 – 2014

Organizational details

Organization	Designation	Duration
Cognizant Technologies Service Pvt Ltd	Programmer Analyst	Dec 2020 to till date

Skill Set

TIBCO Products	Tibco Spotfire 10.x and 11.x, Tibco Business Works 5.9
Database	MSSQL, Oracle, MySQL
Programming Languages	Python, Core Java
Could Technologies	Azure, Aws
Operating System	Windows, UNIX
Miscellaneous	SQL Developer, Data Exploration Libraries, ETL, Azure Data Factory, Azure Data Bricks, Spark, PySpark

Certifications

- **Microsoft Certified:** Azure AI-900, AZ-900, AZ-104, AZ-204, DP-900, DP203 (Fundamentals & Associate Level)
- **AWS (Amazon Web Services) Certified:** Cloud Practitioner (AWS CCP - CLF-C01 Certification)
- **TIBCO Certified:** Associate and Professional (TCA/TCP) - SPOTFIRE Certification s, TMC - TIBCO Spotfire® - Visualization Mods, TCA - TIBCO EBX, TCA - TIBCO Messaging, TMC - TIBCO Enterprise Message Service - Messages and Destinations
- **Credly Profile :** https://www.credly.com/users/korsapati-sai-kumar-reddy/badges

Awards/Recognition

- **CALIBER 2022 – Certification Campaign Winner:** one of the winners of the Microsoft Certification campaign as part of CALIBER 2022 and received recognition from Cognizant.

Projects

Project-1 :

Project Title & Client Name	Global FOD Analytics Dashboard
Duration	7 months
Technologies	TIBCO Spotfire
Databases and Other Utilities	Presto SQL (Trino) / Dbeaver
Project Status	On-Going (Active)

PROJECT DESCRIPTION:

Global FOD Analytics Dashboard, Stop Start Continue is a global initiative where all the CoE sites reviewed the upload vs usage levels of the reports uploaded on FOD alias Finance on Demand which is a platform that allows the users to upload and download a bulk of raw data. Requirement is to create a spotfire dashboard to automate the SSC process and allow for a more self-service oriented annual review of the report usage statistics in each region globally.

ROLES AND RESPONSIBILITIES:

Implementing various kinds of reports and dashboards to provide an interactive and user friendly experience with multiple visuals available to slice and pivot the raw input data inorder to obtain a clear summary of the usage levels.

Developing reports using cross tables, bar charts, combination charts, graphical tables, cross tables, pie charts, kpi's-key performance indicators over bulk of raw data which contains number of reports uploaded, number of reports downloads, which of those reports have been used and how many times, which colleagues across the organization have used the reports and how many times, all details around the reports such as name, category, period, year, market and region for businesses to measure their performance against goals.

- Implemented Spotfire features such as Line Similarity to analyze the feature metrics with a slider to find out the similar valued features[columns/values] using either Euclidean Distance or Correlation similarity, relations for marking and filtering, column matches for utilizing the columns of one data table into another in custom expressions, axis selectors, scripting etc.
- Implemented Multiple Hyperlinks for respective visualizations in dashboards to redirect the users to the corresponding visualization report which contains more details about the implemented events in Spotfire.
- Implemented SBDF file format as data table with Schedule Updates feature in spotfire for scheduling the data sources auto load to refresh the data tables automatically for the scheduled period of time using automation services and xml script.
- Utilized the knowledge of Caching and Automation Services Job Builder(ASJB) : used various caching options available in Tibco Spotfire - i) Caching Data and Analyses on the TIBCO Spotfire Web Player, ii) Caching data in the TIBCO Spotfire Analyst client, iii) Caching data through Information Links.
- Used Iron python scripting and f(x) data functions using python pandas and numpy to implement a custom graphical table with row and column grand totals, here iron python code with properties and methods are explored from spotfire classes available in spotfire analyst api reference to extend the capability using iron python coding and also utilized the data functions to generate custom calculated values, columns and data table to make data preparation simple using python data preparation libraries.

Project-2 :

Project Title & Client Name	MAPP Analytics Dashboard
Duration	15 months
Technologies	TIBCO Spotfire
Databases and Other Utilities	Presto SQL (Trino) / Dbeaver, Amazon S3
Project Status	On-Going (Active)

PROJECT DESCRIPTION:

Mapp Analytics Dashboard available in different levels for customers based on each cluster, region and global locations to let clients analyze the data on organization level meetings, events occurred, funds pending, funds initiated, forwarded bu manager, verified/rejected analyst, sla, out of sla events and other metrics. Requirement is to create the above mentioned dashboards using spotfire visualization tool with various visuals available and to let the local, regional and global customers to have a self-service oriented annual review of the total data w.r.t event occurred and submission dates with various filters, payments, approvals and rejections.

ROLES AND RESPONSIBILITIES:

Implementing various kinds of reports and dashboards using cross tables, bar charts, combination charts, graphical tables, cross tables, pie charts, kpi's-key performance indicators for businesses to measure their performance against goals. Implemented property / action controls, filters and dynamic items for displaying values dynamically and to change the visualizations based on the value selected from dropdown on to the dashboard and created many more reports implementing complex logic using custom expressions, python and R data functions for various business requirements.

- Used Information links with joins and kept On-Demand Settings to restrict data in Spotfire and also utilized the features of transformations for calculate and replace, renaming, pivoting and unpivoting the columns and data functions according to the situations using R, python pandas and numpy data exploration libraries.
- Implemented Iron Python Scripts to load the Security Access Table on opening the dashoard to make sure updated content available in the data table which helps new users to access the dasboards as soon as they were registered and used iron python scripts to dynamically show case the values selected using filters in side-menu-bar which was created using html, css and java script and also I wrote Iron Python Scripts to handle filters, markings, toggling of visualization and many more.
- Implemented Spotfire features such as relations, column matches, custom expressions, multiple data tables and relationship between multiple data table, property controls etc.
- Implemented Multiple Hyperlinks for respective visualizations in dashboards to redirect the users to the corresponding visualization report which contains more details about the implemented events in Spotfire.
- Implemented Schedule Updates feature in spotfire for scheduling the data sources auto load to refresh the data tables automatically for the scheduled period of time using automation services and xml script.

Project-3 :

Project Title & Client Name	Sanofi Smart Trials SaaS
Duration	10 months
Technologies	TIBCO Spotfire
Databases and Other Utilities	Oracle / SQL Developer
Project Status	Completed

PROJECT DESCRIPTION:

Gathering the requirements and specifications from end users and converting them into business ready interactive reports and dashboards by creating complex Information Links using multiple joins, prompts, parameters to load data from sql data source.

ROLES AND RESPONSIBILITIES:

Created various kinds of reports and dashboards using scatter plot, time series charts, bar charts, combination charts, map charts using shape files, WMS/TMS layers, property controls and created many more POCs (Proof of Concept) for various requirements and specifications provided by the clients.

- Created dashboards from scratch using Spotfire Analyst - 11.4.3V Visualizations : [cross tables, graphical tables, scatter plots, barcharts, combination charts, kpi's, text area : html, css, jquery, javascript, filters,

action controls, property controls], document properties, Iron python scripts, data functions f(x) : [python, r], information links, as per the specifications provided by the cilents for their business requirements

- Implemented Configuration Blocks in Spotfire to share existing filters in bookmarks via URL option.
- Implemented Iron Python Scripts to list filenames and total file counts present in specific folder and to generate visualizations like table chart, bar chart dynamically on clicking dropdown button.
- Created dynamic scatter plot visualizations with value selected from drop down to display rejected transactions rate over total transactions volume w.r.t to transaction types, transaction initiator, project owner name, assigned to analyst. here using the drop down and iron python script compressed multiple visualizations into one with drop down property control facility. helps clients to perform rejection analysis over event transactions.
- Implemented Donut Charts to show the proportions of categorical data, with the size of each piece representing the proportion of each category.
- used the advantage of using SBDF (Spotfire Binary Data Frame) concept to reduce the burden on database for individual user clicks. Used ASJB to generate xml to perform scheduled updates to SBDF's in library.
- Implemented Multiple Hyperlinks in a single column in Spotfire.

Project-4 :

Project Title & Client Name	Biogen Smart Trials SaaS
Duration	02 months
Technologies	TIBCO Spotfire
Databases and Other Utilities	Oracle / SQL Developer
Project Status	Completed

PROJECT DESCRIPTION:

Supporting user and development activities of Spotfire by providing production and development support to troubleshoot and resolve issues, Exporting and Importing of Spotfire dashboards and elements from one environment to another.

ROLES AND RESPONSIBILITIES:

- My responsibilities include designing, developing and publishing the Spotfire dashboards to deliver complex analytical business requirements, Connecting Spotfire to various Data Sources including Data Warehouse Platforms to fetch data.
- As a part of release management team involved in migration or code deployment from one environment to other environment and configuration of Data stores.
- Performing administrative activities across a multi-environment Spotfire infrastructure including security administration, release management, troubleshooting, Setting up users, groups, licenses, preferences.
- Troubleshooting issues on any failed file transfer across Tibco platforms by checking various reports in Spotfire, analysing and fixing the issues from Spotfire, Log viewer, if require through Stop/Start Spotfire Servers.
- Various user accounts setup and configurations in test and prod environment like as Creating New Supplier setup, Providing Access to UI (User Interface), New Study Onboarding, study clean-ups from UI and in SQL database.
- Development, Analysis and Unit Testing using TIBCO Spotfire
- Coordinated with multiple vendors from geographically distributed teams for a successful development, testing and deployment of a single project.