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Experience Summary

- Highly analytical, innovative, and process-oriented Data Analyst with over 4+ years of experience in the Business Intelligence field. Proficient in working with tools such as Tibco Spotfire Client/Cloud, Tableau, Power BI, Iron Python, Azure Data Factory (ETL Tool), JavaScript, HTML, CSS, and SQL Database for developing complex dashboards.
- I have demonstrated expertise in implementing Data Analytics, Data Visualization, and Business Intelligence (BI) domains. Possesses technical data experience, encompassing business analysis, data analysis, modeling, maintenance, mapping, and stewardship. Skilled in interacting with business stakeholders, understanding data requirements, designing queries, and managing transformations to ensure data quality, analytics, and effective reporting.
- Strong analytical and problem-solving skills with the ability to work in an Agile methodology. Full understanding of various phases of the software development lifecycle, including 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 Feb 2023
CitiusTech	Senior Software Engineer	Feb 2023 to till date

Skill Set

BI Tools	Tibco Spotfire 10.x and 11.x , Tableau, Power BI
Database/Data Warehouse	Oracle, Snowflake, MSSQL, Azure Synapse
Programming Languages	Python, Core Java
Could Technologies	Azure, Aws
Miscellaneous	SQL, Data Exploration Libraries, ETL, Azure Data Factory, Azure Data Bricks, Spark, PySpark, HTML, CSS, JavaScript, IronPython

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.

Roles and Responsibilities

- Designed, developed, and published complex analytical Spotfire dashboards to meet business requirements, ensuring an interactive and user-friendly experience. Connected Spotfire to various Data Warehouse Platforms for data retrieval.
- Implemented various types of reports and dashboards using cross tables, bar charts, combination charts, graphical tables, pie charts, and key performance indicators (KPIs) to enable businesses to measure performance against goals.
- Utilized Spotfire features such as Line Similarity, relations, column matches, custom expressions, multiple data tables, and property controls. Implemented Multiple Hyperlinks for respective visualizations, improving user navigation and accessibility.
- Introduced and deployed a D3.Js-based customized bubble chart mod in coordination with the Spotfire admin team for project-specific requirements. Utilized UI technologies like HTML, CSS, and Javascript features based on that introduced innovative UI ideas for effectively accessing the filters and enhancing user experience.
- Developed reports containing detailed information on the number of reports uploaded, downloaded, and utilized, along with user-specific usage metrics. Utilized Spotfire features like Schedule Updates for automatic data table refresh and SBDF file format for efficient data storage.
- Leveraged IronPython scripting and f(x) data functions using Python pandas and NumPy for custom graphical tables with grand totals. Applied Python data preparation libraries for streamlined data preparation processes and to provide custom options like measure-wise data set export as Excel sheets to the users on-demand.
- Implemented property and action controls, filters, and dynamic items for dynamic value display and visualization changes based on user selections. Developed numerous reports with complex logic using custom expressions, Python, and R data functions to meet diverse business requirements.
- Utilized Information links with joins, transformations, and On-Demand Settings to refine data in Spotfire. Employed caching options for data and analyses on the Spotfire Web Player, Analyst client, and through Information Links. Applied Caching and Automation Services Job Builder (ASJB) for efficient caching and data updates.
- Managed Spotfire administrative activities, including security administration, release management, user setup, group management, and license configuration. Troubleshoot file transfer issues across Tibco platforms, analyzing and resolving problems using Spotfire and Log Viewer.
- Coordinated with geographically distributed teams and multiple vendors for successful development, testing, and deployment of projects. Engaged in release management activities, migrating code between environments, and configuring Data stores.
- Contributed to the development, analysis, and unit testing of TIBCO Spotfire. Established and maintained user accounts in test and production environments, involving tasks such as creating new supplier setups, providing UI access, and onboarding new studies.
- Worked on multiple reports under multiple registries and aligned with the overall flow of business requirements.
- These responsibilities showcase my expertise in Spotfire development, data analysis, and administrative activities, emphasizing my ability to deliver effective solutions and support successful project outcomes.

Projects

Project-1:

Project Title & Client Name	PTSF - Pennsylvania Trauma Systems Foundation Dashboard (Reporting 2.0)
Duration	Dec-2023 to Till Date
Technologies	TIBCO Spotfire, IronPython, Python Pandas, HTML, CSS, and JS
Databases and Other Utilities	Oracle / SQL Developer
Project Status	On-Going (Active)

PROJECT DESCRIPTION:

The Pennsylvania Trauma Systems Foundation (PTSF), a non-profit organization mandated by the Emergency Medical Services Act, is dedicated to reducing trauma-related death and disability. As the accrediting body for trauma centers, PTSF establishes rigorous standards, ensuring expedient, evidence-based, and high-quality healthcare. By classifying trauma centers into four levels, PTSF optimizes care, contributing to improved healthcare outcomes for trauma patients in Pennsylvania.

Led the development of Spotfire dashboards for PTSF, defining comprehensive statistics on trauma-related incidents. Contributed to creating data visualizations capturing key metrics, and optimizing trauma center performance analysis. This initiative not only supported PTSF's mission of reducing trauma-related death and disability through evidence-based healthcare practices but also enhanced decision-making processes, facilitating informed and strategic actions.

Project-2

Project Title & Client Name	AQ, Stroke and CS - Cardiogenic Shock Registry (IRPV) - AHA
Duration	7 months
Technologies	TIBCO Spotfire
Databases and Other Utilities	Snowflake / Airflow / Oracle / SQL Developer
Project Status	Completed

PROJECT DESCRIPTION:

As a dedicated BI developer for the American Heart Association (AHA), I develop and manage Clinical Data Registries, essential for data collection, analysis, and research. I handle registries such as AQ, STROKE & CS, aiding AHA's 'Get With The Guidelines' program to improve care delivery and patient health.

My expertise in TIBCO Spotfire enables me to create customized reports for benchmark comparison and decision-making, helping hospitals achieve AHA certification and accreditation. The AQ (Ambulatory Quality) and Stroke Registry Data Flow involve a sequence from initial data collection on the Infosario platform to database Oracle (IRP4)/snowflake (IRP5) and final reporting via Spotfire. My contributions significantly support over 4300 hospitals in their mission to reduce cardiovascular diseases and stroke-related deaths.

Project-3:

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

PROJECT DESCRIPTION:

The "Global FOD Analytics Dashboard: Stop, Start, Continue" initiative was a worldwide effort involving all Centers of Excellence (CoE) sites. The objective was to assess the upload versus usage levels of reports on the Finance on Demand (FOD) platform. FOD served as a platform enabling users to seamlessly upload and download extensive raw data.

The requirement involved the development of a Spotfire dashboard to automate the Stop, Start, Continue (SSC) process. This dashboard aimed to facilitate a more self-service-oriented annual review of report usage statistics in each global region. The primary goal was to streamline and enhance the efficiency of the review process for report utilization, fostering a comprehensive understanding of trends and patterns across regions.

Project-4:

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	Completed

PROJECT DESCRIPTION:

The Mapp Analytics Dashboard was designed to cater to customers at different levels, offering insights based on specific clusters, regions, and global locations. This dashboard empowered clients to analyze organization-level data, covering aspects such as meetings, events, pending funds, initiated funds, manager-forwarded requests, analyst-verified/rejected cases, SLA adherence, out-of-SLA events, and other key metrics.

The requirement involved creating these comprehensive dashboards using the Spotfire visualization tool. The dashboards featured a variety of visuals, providing local, regional, and global customers with a self-service-oriented platform for their annual review of total data. Users could explore and analyze data related to event occurrences, submission dates, and various filters, including payments, approvals, and rejections. This ensured an intuitive and customizable experience, allowing clients to gain valuable insights tailored to their specific needs and geographic scope.

Project-5:

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:

Gathered requirements and specifications from end users and translated them into business-ready interactive reports and dashboards. The requirement involved the development of multiple Spotfire dashboards, each dedicated to studies on clinical trials in the field of life sciences, particularly focusing on Sanofi Smart Trials SaaS. Each dashboard represented a distinct clinical trial, providing a detailed analysis of key metrics and outcomes. These clinical trials encompassed various aspects of life sciences, such as pharmaceutical interventions, patient outcomes, demographics, and research advancements.

The primary goal was to streamline and enhance the efficiency of the review process for report utilization within the Sanofi Smart Trials SaaS platform. This initiative not only facilitated a comprehensive understanding of trends and patterns across regions but also contributed valuable insights to the ongoing research and advancements in life sciences clinical trials.

Project-6:

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:

Provided support for user and development activities within Spotfire, offering both production and development assistance to troubleshoot and resolve issues. Additionally, managed the export and import processes of Spotfire dashboards and elements, facilitating seamless transitions between different environments. This ensured a smooth and efficient workflow for users and developers alike.