**Sr. Data Analyst/Power BI Developer**

**Name: Rajashree**

**Email: rajashreesai22@gmail.com**

**Number: 609-905-0735**

**PROFESSIONAL SUMMARY**

* Around **9** years of experience in Software **Design, Database Design, Development, Integration** Implementation and Maintenance of Business Intelligence and the related Database Platforms.
* As a Data Analyst responsible for **Data Modeling, Enterprise Data Management**, Data Presentation, Visualization, Optimization, Risk assessment, predictive analysis, advance Data Analysis, Business Research and Quantitative Analysis.
* Experience in **SQL 2017/ 2016/2014/2012 /2008** R2with an emphasis on design, development, automation, tuning, optimization, Performance and Security.
* Experience in analyzing business user requirements, analyzed data and designed software solutions in Tableau Desktop based on the requirements.
* Experience in converting Legacy Reports to **Tableau** dashboards connecting to **SQL server**.
* Built and published interactive reports and dashboards using **Tableau Desktop and Tableau Server.**
* Expertise in Microsoft Integration Services like **SSIS** (Control Flow tasks, Data Flow tasks, Transformations, Database administration tasks).
* Proficient in **SQL Server** Integration Services like Package creation, Check Points Implementation, Dynamic Configuring of package, Logging, Custom script writing, Package deployment using Manifest, Implementing Transactions, and Package encryption.
* Explore data in a variety of ways and across multiple visualizations using **Power BI.**
* Expertise in creating reports in **Power BI** preview portal utilizing the **SSAS** Tabular via Analysis connector.
* Experience in publishing **Power BI** Desktop reports created in Report view to the Power BI service.
* Monitored and Tuned **MS SQL** Server databases with tools like Index Tuning Wizard, **SQL Profiler,** and Windows Performance Monitor for optimal Performance.
* Experience in creating **Power BI** Dashboards (Power View, Power Query, Power Pivot, Power Maps).
* Extensive experience **in SQL Server 2016/2012/2008** Business Intelligence tools - SQL Server Integration Services ( SSIS), SQL Server Reporting Services (SSRS), and SQL Server Analysis Services (SSAS).
* Experience working on **Tableau** (Desktop, Server, Reader), creating various Reports and Dashboards using different functionalities.
* Experience in **Tableau Desktop, Power BI** for data visualization, Reporting and Analysis; Cross tab, Scatter Plots, Geographic Map, Pie Charts and Bar Charts, Page Trails and Density Chart.
* Extensive experience in creating complex **SSIS** packages, creating jobs, Alerts and schedule SSIS Packages using SQL Agent, migrating the data from different legacy system to SQL using SSIS.
* Proficient in Design of **ETL** DTS Package for integrating data from heterogeneous sources (Excel, CSV, Oracle, flat file, Text Format Data).
* Handled various types of encryption and decryptions in **SQL** as per client requirements to secure data.
* Experienced in migrating Data from Excel, Flat file, Oracle to **MS SQL Server using SQL Server** Integration Services (**SSIS)** and expert in Creating, Configuring and Fine-tuning ETL workflows in SSIS.
* Hands on in Designing, maintaining and building Cubes, Dimensions, and Data source views, data mining Models, Deployment and Processing using **SSAS.**
* Created stored procedures for generating reports **using SQL Server** Reporting Services (SSRS), **Crystal Reports.**
* Good command in generating on demand and scheduled reports for business Analysis and Management decisions using **SSRS 2016/2012/2008.**
* Well versed in writing Parameterized Queries for generating Tabular reports, Formatting report layout, Sub reports using Global Variables, Expressions, Functions, Sorting the data, defining data source and subtotals for the reports using SSRS.
* Developed Drill through and Drill down reports using **Crystal Reports and SQL** Server Reporting Services (SSRS).
* Developed Python script to for processing large data sets and also to extract data from different files.
* Built Python Modules to deliver specific formats of data.
* Designed and developed OLAP Cubes with star schema and Dimensions using SSAS.
* Querying and manipulating multidimensional cube data through MDX Scripting.
* Expert in Tabular Modeling, Multi-Dimensional Cubes, **DAX and MDX (SSAS).**
* Expertise in Developing and Extending **SSAS** Cubes, Dimensions and data source views, SSAS-Data Mining Models and Deploying and processing **SSAS objects.**
* Extensively used performance monitor/SQL profiler to solve dead locks/long running queries.
* Experienced in **Agile Methodologies** like attending daily Scrums, maintaining User Stories and Burn down Charts, Backlog Grooming and Retrospective.
* Acquisition and master new technologies and to deliver outputs in short deadlines in a fast- paced environment with problem- solving and organizational abilities.
* A polished communicator, with good analytical and inter-personnel skills and versatile team player.

**SKILL MATRIX**

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| Analytical Tools | Tableau (Desktop) |
| ETL Tools | BI Reporting and Analytic |
| Process | Development, Support, Dynamic Parameters, Dashboard Optimization and Maintenance |
| **Reporting Tools** | Tableau 2018.1/2/3, 2019.1/2/3,9.0,9.3/8.2,8.1/8.0/7.0, 10.5 |
| Databases | MS SQL Server 2005/2008/2012, MS Access, |
| Languages | SQL, Python |
| Domains | Aviation sector, supply chain, Enterprise services, Health Care, Telecom, Financial, Banking, Retail. |

**WORK EXPERIENCE**

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| **Client: Honeywell, Charlotte, NC** | **Oct 2022 to Till Date** |
| **Role: Data Analyst/Power BI Developer** |  |

**Responsibilities:**

* Participated in daily scrum meeting with team to discuss on the challenges and development of the project
* Involved in requirement gathering from business users and IT teams to understand and express business process and business logic
* Extracted data for reporting from multiple data sources like **SQL Server, SQL Server Analysis, Service, Azure SQL Database, Azure SQL Data Warehouse, Salesforce, etc.**
* Extracted data from **data warehouse** server by developing complex **SQL** statements using stored-procedures and common table expressions (CTEs) to support report building
* Implemented Tableau for visualizations and views including scatter plots, box plots, heatmaps, tree maps, donut charts, highlight tables, word clouds, reference lines, etc.
* Generated complex reports in **Tableau** using multiple functionalities including **context filters, hierarchies, parameters, LOD Expressions, time intelligence**, etc.
* Built interacting and storytelling dashboards in Tableau workbooks using dashboard actions
* Published Tableau workbook on Tableau Server and set report refresh
* Used **Data Analysis Expressions** (DAX) to create measures and calculated fields to analyze data and to create time intelligence.
* Extensive use of **DAX** (Data Analysis Expressions) functions for the Reports and for the Tabular Models.
* Used Data Analysis Expressions DAX to create custom calculations in **PowerPivot for Microsoft Excel workbooks and Analysis Services tabular model projects.**
* Created PowerPivot models and PowerPivot reports, publish reports onto SharePoint, and deploy models into **SQL Server SSAS** instance.
* Assisted in creating **SQL database** maintenance logs and presenting any issues to the database architects.
* Worked on **Power BI** reports using multiple types of visualizations including line **charts, doughnut charts, tables, matrix, KPI, scatter plots, box plots, etc.**
* Made **Power BI** reports more interact and activate by using storytelling features such as bookmarks, selection panes, drill through filters, etc.
* Created and administrated workspaces for each project on Power BI service and published the reports from Power BI Desktop to Power BI Services workspace
* Utilized Power BI to create various analytical dashboards that helps business users to get quick insight of the data
* Installed Data Gateway and configured schedule plans for Data Refresh of Power BI reports
* Created **SSIS** packages for **ETL** processes by using control flow and data flow components
* Maintained and tuned performance for slowly running **SSIS** packages
* Responsible for accurately reporting on the financial aspect of the company's operations by rendering reports on daily / weekly / monthly base
* Evaluated returns and risks for various types of investments including stocks, fixed-income assets, hedge fund, real estate and commodities and evaluated risk tolerance for customers
* Created ad-hoc reports such as **YTD, YOY, MTD, MOM** analysis for income statement, cash flow by requests from business units
* Implemented report integration among Power BI, Tableau, SSRS and Python reports.

**Environment:** Power BI Desktop, Power BI Service, Project Online, SQL Server 2016/2017, SSRS, SSIS, SSAS, DAX, Tableau, Microsoft Azure, Python, SharePoint, Visual Studio, Scrum/Agile, BI Development Studio (BIDS), MDX, XML, SQL Profiler, TFS, MS Office, Windows 10/7, Data Analyzer

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| **Client: PGE, SFO CA** | **Aug 2021 – Sep 2022** |
| **Role: Data Analyst** |  |

**Responsibilities:**

* Worked on text analytics & sentiment analysis for analyzing twitter and Facebook posts.
* Forecast of spare parts to plan inventory for a marketing client using a time series model.
* Perform data manipulation, development and validation of data models using R, and SQL.
* Worked with data-sets of varying degrees of size and complexity including both structured and unstructured data.
* Participated in all phases of Data mining, Data cleaning, Data collection, developing models, Validation, Visualization and Performed Gap analysis.
* Used R for graphically critiquing the datasets and to gain insights to interpret the nature of the data.
* Data wrangling to clean, transform and reshape the data utilizing Numpy and Pandas library.
* Contribute to data mining architectures, modeling standards, reporting, and data analysis methodologies.
* Conduct research and make recommendations on data mining products, services, protocols, and standards in support of procurement and development efforts.
* Involved in defining the Source to Target data mappings, Business rules, data definitions.
* Worked with different data science teams and provided respective data as required on an ad-hoc request basis.
* Worked with Machine learning algorithms like Regressions (linear, logistic), SVMs and Decision trees.
* Developed a Machine Learning test-bed with different model learning and feature learning algorithms.
* Perform advanced excel functions such as pivot tables and Vlookup in order to analyze data
* Wrote, executed, performance tuned SQL queries for data analysis and profiling and wrote complex SQL queries using joins, and sub queries.
* Involved in troubleshooting, performance tuning of reports and resolving issues within tableau server and tableau desktop.

**Client: Telit - Boca Raton, FL Jun 2019 -Jul 2021**

**Role: Tableau Developer**

**Responsibilities:**

* Involved in Data Analysis, Data Profiling, Data Cleansing & Quality, Data Migration
* Interacting with business process owners and analysts to understanding the functional requirements and translate them into technical documents
* Finalizing the business rules and then to implement them in IDQ
* Preparation of Lineage document from source to target
* Preparation of Metadata document with all the information on data sets and data elements consumed
* Worked on Teradata to check the quality checks and implementation of the quality checks
* Creating of data quality checks using IDQ analyst tool and scorecards
* Created various data objects like, Relational data objects, Hive Tables, Hadoop Datasets, flat file data objects, Logical data objects
* Created mapping specifications and implemented filters in IDQ
* Created LDO’s using various transformations like expressions, parser, Labeler, Standardization, filter, router, joiner, lookup tables, sort and rank.
* Created scorecards and re-usable rules in IDQ developer
* Created mapping specification and re-usable mapplets using IDQ developer
* Migration of the contents from one server to another by taking xml back-up
* Did migration and validation, pointed to new connections while migration.
* Interacting with business process owners and analysts to understanding the functional requirements and translate them into technical documents
* Creating the Data Quality standardization and cleansing rules using the facts discovered from profiling results
* Performing Data Quality Checks and cleansing the incoming data feeds as and profiling the source systems data as per business rules using IDQ
* Worked on Address Data cleansing & Standardizing by configuring Address doctor component in IDQ tool
* Done sanity testing on profiled data ensuring rules are valid
* Ensuring all information is passed to the offshore and resolve their queries by clarifying with the client
* Created various tableau dashboards which shows the KPI’s
* Developed Tableau workbooks from multiple data sources using Data Blending.
* Ability to connect to different data sources from Tableau, presenting the good Visualization of data, Unique way of using the filters and parameters.

**Environment**: Informatica 9.1, MS Visio, Netezza, Sql Server 2008, Power BI, Tableau 9.x, IDQ Analyst / Developer 9.6.1/10.1, Tableau 9.1, Teradata 15

**Client: Datacore Technologies India Aug 2017 - Nov 2018**

**Role: Data Analyst**

**Responsibilities:**

* Prepared specification documents (BRD / FRD), based on business rules given by Business.
* Prepared the System Test cases and Unit Test Cases with different scenarios
* Participated in Data Validation discussions with Data Architects
* Involved in Data Migration between MS SQL server and Oracle
* Created SQL queries to validate Data transformation and ETL Loading.
* Developed and executed BO test cases for Unit testing, Integration Testing, System testing.
* Converted WEBI Reports to Tableau Dashboards for Advanced Visualizations
* Involved in Regression testing of the WEBI reports to have data consistency across the systems.
* Coordinate the review, presentation and release of design layouts, analysis, test cases and other documentation
* End to end client interaction to get the business answers.
* Focal point and Lead for all BO Design issues and responsible for presenting the prototypes of critical requirements to the client.
* Created web intelligence reports with various functionalities like merge dimensions, input controls, graphs, used ranking to filter the data and used various custom variables for the reporting requirements
* Validated data in the report against the business data by running the SQL queries against the Teradata and Oracle.
* Created Reference Table using Informatica Analyst tool as well as Informatica Developer tool.
* Worked on developing mapplets, mappings, workflows, and applications.
* Experience in Error Handling and Trouble Shooting Techniques using the log files.
* Worked on creating profiles in the Informatica Data Quality Developer tool, and analyst tool.
* Experience in creating rules and applying them to profiles in developer and analyst tool.
* Extensively worked on Labeler, Parser, Match transformations to identify the duplicate records.
* Experience in using Standardizer transformation to standardize the data.
* Developed Tableau visualizations and dashboards using Tableau Desktop.
* Developed Tableau workbooks from multiple data sources using Data Blending.
* Ability to connect to different data sources from Tableau, presenting the good Visualization of data, Unique way of using the filters and parameters.
* Developed the standard reports within Tableau by connecting different databases Oracle 10g, MS SQL server.
* Developed Tableau workbooks from multiple data sources using Data Blending.
* Created action filters, parameters and calculated sets for preparing dashboards and worksheets in Tableau.
* Experience in preparing the Dashboard Specification Documents.
* Conducted Unit Testing of the dashboard.
* Experience in Designing of the Dashboard according to color guide given by client.
* Responsible for doing comparative analysis between different reporting tools of SAP, to decide the feasible tool according to the business requirements of the client.
* Worked on HPQC for continuous update with project schedules, quality, issues/defects and managing resources.

**Environment**: Business Intelligence 4.1, HPQC, Tableau 8.x, Erwin, Informatica 9.1, Oracle, SQL Server,

**Client: Cybage Software Pvt Ltd - India Jun 2014 – July 2017**

**Role: Data Analyst / Report Developer**

**Responsibilities:**

* Work with users to identify the most appropriate source of record and profile the data required
* Involved in defining the business/transformation rules
* Worked with internal architects and, assisting in the development of current and target state data architectures
* Worked with project team representatives to ensure that logical and physical ER/Studio data models were developed in line with corporate standards and guidelines
* Involved in defining the source to target data mappings, business rules, business and data definitions
* Document data quality and traceability documents for each source interface
* Generate weekly and monthly reports.
* Coordinate with the business users in providing appropriate, effective and efficient way to design the new reporting needs based on the user with the existing functionality
* Remain knowledgeable in all areas of business operations in order to identify systems needs and requirements.
* Implementation of Metadata Repository, Maintaining Data Quality, Data Cleanup procedures, Data Standards
* Responsible for Estimations and effort tracker and daily updates to the management.
* Used the HPQC for the defect analysis and respond to it with the status required.
* Developed webi reports as per the client’s requirement.
* Created multi-tab reports, used logos, various other functions like sections, filters, drill filters, complex variables, merge dimensions, hyperlinks, input controls, multi-data provider, sub-query, results from another query, custom sql
* Used stacked bar charts and line graphs in report design.
* Using Guideware application prepared the test data. Created test scenarios for webi reports
* Preparation of ETL mapping documents according to the Business Requirements.
* Analyzed the Sources, targets, transformed the data, and mapped the data and loading the data into Targets using Informatica.
* Extensively involved in Data Extraction, Transformation and Loading (ETL process) from Source to target systems using Informatica.
* Transformations like Expression, Router, Joiner, Lookup, Update Strategy, and Sequence Generator are mainly used.
* Used Joiner transformation for extracting data from multiple sources.
* Creating Informatica mappings, Mapplets and reusable transformations.
* Created tasks and workflows in the workflow manager and monitors the sessions in the workflow monitor.
* Performed unit testing and validated the data.

**Environment**: Business Objects XI R3.1SP3, BI 4.1, Informatica 9.1, SQL Server 2008, DB2 9.0, Guideware application, HPQC