



Aditya Varma Yarra

Data Analyst

CONTACT



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EDUCATION

Masters from Southeast Missouri
State University, USA

SKILLS

• Business Management

Tools: MS Visio, UML, Rational Requisite Pro, RTM, Caliber RM, Team Forge

• Methodologies:

Waterfall, Agile-Scrum, SAFe

• Application Packages:

MS Office 2003/2007/2010, MS Project, MS Visio, PeopleSoft, MS Dynamics, Salesforce, Teradata SQL Assistant, DB Visualizer Pro, TOAD Data Point

• Process/Technologies:

Quick Test Pro, AEM, JIRA, RALLY, Azure Board, VersionOne, HP ALM, HP AGM, TFS, API'S, JAVA

• Operating Systems:

Windows
95/98/2000/XP/Vista

• Databases:

MS Access, SQL, Oracle, DB2, Teradata, Big Data, NoSQL, MySQL

• Reporting Tools:

Tableau, Alteryx, Adobe Analytics, Qlik Sense, SharePoint, SSRS, Power BI

OBJECTIVE

Seasoned Data Analyst with **5+ years** of experience in data mining, statistical analysis, and business intelligence. Adept at using advanced analytics tools such as SQL, Python, and Tableau to interpret large datasets, optimize processes, and support strategic decision-making.

PROFILE SUMMARY

- Around **5+ 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 R2** with 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**. Proficient in elaborating & consolidating the business requirements into **Epics, Features, User Stories, Acceptance Criteria and User Story Mapping** and maintaining them in **JIRA, Rally** and **Azure boards**
- 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**). Knowledge of cloud-based technologies **Amazon Web Services (AWS)** and **Azure Cloud**

WORK EXPERIENCE

Client: DEUTZ, Earth City, MO, USA

Apr 2024 - Present

Role: Sr. Data Analyst

Description: DEUTZ AG is a leading German manufacturer of innovative drive systems, providing high-performance engines for off-highway applications in sectors like agriculture, construction, and material handling. Played a key role in integrating data from various systems, enhancing reporting capabilities, and supporting advanced analytics to drive business insights and operational improvements.

Responsibilities:

- Collaborated with Subject Matter Experts and Product Owners to define data requirements and source-to-target mapping necessary to support advanced analytics initiatives within **M&SC (Manufacturing and Supply Chain)**, including the interfaces between applications, databases and platforms.
- Created a **Datawarehouse** and Integrated different systems data into the **Wearhouse (Salesforce and SAP)**. Worked with multiple teams for combining the different Databases to a single Universe.
- Made **Power BI reports** more interact and activate by using storytelling features such as bookmarks, selection panes, drill through filters also created custom visualizations using "**R-Programming Language**".
- Used Machine learning using "**Python-Programming Language**" for converting different language text to English for analysis.
- Utilized **Power BI** to create various analytical dashboards that helps business users to get quick insight of the data
- Published and maintained workspaces in **Power BI Service**, allotted the time refresh for the data, maintained the apps and workbooks.
- Used **DAX functions** to create measure and calculated fields to analyze data for logical visualization and used Power Queries to transform the data.
- Converted the **Boulder Tables** from **Excel** to **Power BI** with better **Graphs** and visualizations for the understanding and improvement of business.
- Collected the **Plants Data** in **Excel sheets** from different Regions around the World and combined them in **Power BI** to know the Loss and Profit of the Product.
- Performed **COPQ** and **DPPM** analysis in **Power BI** and helped **Global Quality Leaders** to take the Business-driven decisions.
- Translated data requirements to produce comprehensive, detailed data maps and canonicals.
- Identified supply chain problem areas and opportunities to improve service, reduce cost, and increase inventory turns
- Performed **ETL** on multiple platforms such as **SAP HANA** and **Teradata**, familiarized with Confidential Legacy, **SAP** and other backend environments to pull the **data-to-data Wearhouse**
- Created and maintained Apps and **Reports** in **Salesforce** for **Customer** Issue Resolution and maintained different Process of **CRM**.
- Used **SQL queries** to create interactive Dashboard in **Salesforce Einstein Analytics Studio** and analyzed **CRM data**.

Environment: Power BI Desktop, Power BI Service Pro, Teradata, Salesforce, Einstein Analytics Studio, Business Objects, SharePoint, SAP HANA, SAP Logon, QlikView, IBM Lotus Notes, SQL, SQL Server, MS Access, Microsoft Office Suite (Word, PowerPoint, Excel)

Client: Lockton, INC., Kansas City, MO, USA

Apr 2023 - Mar 2024

Role: Sr. Data Analyst

Description: Lockton, Inc. is the world's largest privately held insurance brokerage, providing tailored insurance, risk management, and employee benefits solutions across over 140 offices globally. Managed ETL processes, data quality checks, and reporting, while leading cross-functional teams to ensure accurate data integration and insightful reporting.

Responsibilities:

- Work **wif** cross functional teams to perform **ETL** using Informatica 9.6 from multiple legacy sources to **RAD reporting** layer database and ensure derivation logics are implemented accurately
- Maintain product backlog to drive the scrum team on focusing the high priority items as per business need

- Develop source to target mapping (**STTM**) document to determine data lineage and mapping from source to governed target state data attributes
- Develop data dictionary or data glossary for dashboards or reports developed using **Target state data structures**
- Use **SQL** to extract data from **Data Vending Hub (DVH)** and identify the key data attributes required to suffice consumer needs
- Perform data profiling as part of data quality checks to ensure data from source systems match **wif RAD** on-prem and **AWS Cloud**
- Extract and analyze large volumes of data from various data sources by writing complex **SQL** and **PL/SQL** queries to identify data variances, quality and consistency across multiple systems
- Perform root cause analysis using **TOAD Data Point 4.2** to debug the errors resulting in data variances and resolve it appropriately
- Develop and execute complex **PL/SQL queries** to create weekly and monthly summary views to assess data integrity, accuracy and overall data quality
- Develop and validate dashboards & reports in **Tableau 2019.1** using **RAD** data to ensure it reconciles to historically published metrics
- Develop calculated fields, combine fields, geo-coding, and scorecards to include them in custom **Tableau Dashboards**
- Develop **REST APIs** to provide consumers **wif** necessary data to develop dashboards and reports
- Develop and execute a test plan to perform data validation to ensure target state data meets Confidential data governance standards and consumer reporting needs as well
- Develop **Alteryx workflows** to automate data validation processes in **AWS Cloud**
- Develop and document the complex calculations and business derivation logics in **SQL** to derive necessary data attributes for reporting purposes

Environment: Toad Data Point 4.2, AWS, Tableau 2019.1, Alteryx, Informatica 9.6, SQL, PLSQL, MS Web Technologies, Scrum AGILE, Confluence, MS Office Tools

Client: Novartis India, Hyderabad, India

Dec 2020 - Nov 2022

Role: Data Analyst

Description: Novartis India is a leading global healthcare company specializing in innovative medicines, providing solutions in pharmaceuticals, generics, and eye care. Contributed to optimizing operations and enhancing strategic planning by developing and refining data models and interactive dashboards.

Responsibilities:

- Led the development of prescriptive data model to optimize operations and increase efficiency
- Analyzed requirements, developed and debugged applications using **BI tools**
- Worked with end users/customers to understand business requirements, recommended technical solutions and documented functional requirements.
- Designed, developed, tested, and maintained **Tableau** reports based on user requirements.
- Preparing reports, extracts and integration of existing data as needed to support analysis, visualizations, and statistical models.
- Designing, developing and providing technical solutions through **Tableau reports** based on user requirements.
- Extensively worked on designing and creating tableau **dashboards**. Also, automated dashboards to help stakeholders in implementation of strategic planning in the organization.
- Extensively worked on advance visualizations techniques in **Tableau** to assist business users in represent data visually to solve complex problems.
- Worked with leadership management team for visualizing the key customer metrics, driving better solution in consumer POD and supply chain.
- Utilized various **Tableau functions** like **LOD, WINDOWS SUM, WINDOWS AVG, conditional functions** (IF, Nested IF, CASE, etc.), **RANK**, Table calculations like Percentage difference, Percent of Total, Moving Average, YTD, YOY, etc. for various measures/calculated fields.
- Worked on view orientation, Sizing, layout, Colour, Fonts, Tooltips, for building Interactive dashboards/reports.

- Extensively worked on **Tableau** dashboards optimization for better performance and monitoring. Specifically dealing with huge volume of data sets in **tableau**.
- Extract, transform, and load data from a variety of data sources into staging datasets in **redshift** environment and ultimately into tableau for reporting.
- Extensively worked in preparing strategic planning and implementation of successfully delivery projects within the **POD** and supply chain teams.
- Scheduled data refresh on **Tableau** Server for weekly and monthly increments upon business requirement and ensured views and dashboards display changes in the data accurately.
- Published dashboards to the tableau server and communicated with the end stakeholder for **PMO Usage**
- Integrated projects in the server and organized workshops on the projects for better usage of the capability built in the dashboards.
- Publishes reports/dashboards on **Tableau** server & embedded views in other web applications.

Environment: Tableau 2018.3 (Desktop/Server), AWS Redshift, Alteryx, Talend, Oracle, SQL Workbench, Control - M, AWS, Jira, Agile, SSMS, Microsoft Office Suite (Word, Excel, Macros, Pivot tables, PowerPoint, SharePoint)

Client: State Street Corporation, Hyderabad, India

Jun 2019 - Nov 2020

Role: Programmer Analyst

Description: State Street Corporation financial services and bank holding company. Involved in end-to-end project lifecycle management, from data warehousing and reporting to user management and application migration, while providing comprehensive support for dashboards and data integration.

Responsibilities:

- Worked with different team's client, analytics, data sources, **QA** and **visualization**.
- Worked in **agile** process having expertise in life cycle of a project from start to end.
- Created data warehouse and data marts from scratch based on data structures and reporting needs.
- Worked on writing **ad hoc SQL scripts** which are required for reporting purposes. Worked on creating basic **dashboards** in tableau connected to **Azure SQL database** for client reporting.
- Worked on user management for power bi. Sharing the dashboard access for power bi online.
- Worked on **Power BI** dash boards and **ad hoc DAX queries** for **power bi**.
- Extensive back-end support for many various reports on **Tableau** and **Power BI**.
- Created store procedures, functions, triggers, indexes, views based on data processing and data cleansing.
- Created various **SSIS packages** for data movements and transformations. Worked on **Python** code to load data from **Google buckets** to big query tables, used data flow for **ELT (Extract Load Transform)** in **Big Query**.
- Worked on creating **POC** for data movement in **NiFi (Hortonworks)**, **C#** programming used in script task for **SSIS** and in Azure functions to create retrievers for data pull from **API**.
- Hands on experience in working with Applications Migration and App Development in **AZURE**.
- Worked on Web jobs, **AZURE data factory**, Logic Apps for application and project development in **Azure**.
- Worked on Web Applications in **Azure** and **Azure functions** to pull data from **API** to **blob Storage** and **SQL**.
- Worked on deploying web sites in **Azure** and used **MVC framework** on backend. Experienced in Developing **PL/SQL- Procedures, Functions, SQL Scripts** and Database Triggers to populate the data applying business logic.
- Extensive knowledge in developing **PL/SQL codes** using **Oracle 11g**.

Environment: Power BI, SQL Server 2012/2016, AZURE, Google Big Query, Tableau, Excel, MS SQL Server 2016/2014/2012, Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), SQL Server Analysis Services (SSAS), SQL Server Management Studio (SSMS) and Oracle 11g.