**VAMSI B** E**mail**: saiteja1219@outlook.com

 **Data analyst** P**h**: **+1 (202) 658-5124**

# PROFESSIONAL SUMMARY

A motivated BI\ Data analyst with experience in interpreting, analyzing and reconciliation of data obtained from a variety of sources through SQL, Skills involve development and enhancement of the existing processes and methods to meet both internal and external analysis requirements; Experienced in Data Profiling, Data Migration, Data Quality, Data Governance, Data Mapping, Data Integration; Good knowledge of Data Marts, Data Warehousing, OLAP, Dimensional Data Modeling, Star Schema Modeling, Snow-Flake Modeling for FACT and Dimensions Tables using Analysis Services; possesses strong and effective communication skills essential in conveying results in analysis and investigations through platforms like Tableau, and Power BI; Has great commitment to and affinity to meet deadlines without compromising accuracy and quality of work. Seeks an opportunity in an exciting organization where skills such as statistical processing and presentation development can be applied in a real-world corporate setting.

**Experience summary:**

* Software Professional with 8 years of work experience in the IT industry, working in a variety of Data warehousing projects using the industry leading tools and technologies such **as Informatica PowerCenter, Informatica Data Quality (IDQ), Informatica Meta Data Manager, Oracle PL/SQL, SQL** Server Management Studio (SSMS), Unix.
* I have good understanding of Data Warehouse Architecture and Data Warehousing fundamentals including **Star Schema, Snowflake Schema, OLTP and OLAP** and have working knowledge of Erwin data modeler.
* Experienced Data Analyst with extensive knowledge of writing **complex SQL queries.**
* Experience in writing **Python and Java scripts** for automation.
* Strong skills in writing test documentation (**QA estimates, Test Outline, Test Plan, Test Design, Test Scenarios and Test Cases)** for manual and automated testing during Software Development Life Cycle
* Possess specific experience developing SQL queries and using different Joins on multiple tables to perform Backend Testing
* Ability to determine **risk & risk mitigation, carry test metrics, set project scope**, set & ensure adherence to quality standards.
* Have **developed, debugged,** and tested **complex mappings, sessions, worklets and workflows adhering** to the defined standards using Informatica PowerCenter.
* I have strong knowledge of Error Handling, parameterization of values and experience in troubleshooting bottlenecks, performance tuning and Optimization of **ETL of mappings and sessions.**
* Extensively worked with ETL tools to extract data from various sources and targets including Oracle, Flat files (fixed width and delimited), **MS SQL Server 2014, SAP ECC, Teradata, Netezza, DB2, and AS400.**
* Have experience in following **Waterfall and Agile** models with the help of software **like JIRA and RALLY.**
* Experienced in **Shell scripting and PL/SQL procedures**.
* Excellent communication and strong interpersonal skills with the ability to interact with end-users, managers, and technical personnel. Perform dashboard development using **Tableau** and serve common resource for multiple teams.
* Develop business controlling data quality **metrics & visualizations** using dashboards with visibility to senior management.
* Created Financial Reports using **Tableau dashboards**.
* Used **AWS** Glue for Data transformation, validate and Data cleaning.
* Created consolidated extracts out of **SQL Server/HANA/SharePoint/Excel/Oracle** platforms using Alteryx.
* Integrated **Tableau and Alteryx platforms** for running workflows and publishing extracts to Tableau Server.
* Develop dashboards to monitor data quality metrics using **master/transactional data views** on various domains.
* Using automation between Alteryx and **Tableau service**-ids for auto refresh
* Working and optimizing workbooks to run with big data sets (25+ million records).

**Technical Summary: -**

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| **RDBMS** | Oracle, Snowflake, SQL Server, PostgreSQL, Teradata, and DB2, MS Access, PL/SQL, Netezza, AS400, Amazon S3& Redshift |
| **DW/ETL Tools** | Informatica Intelligent cloud Services, Informatica Power Center 10.2.0, B2B Data Transformation Studio, Informatica Power Exchange, Autosys, Control M, Cucumber, Ruby, WINSCP |
| **Reporting Tools** | Business Objects XI R3, MicroStrategy, Web Intelligence, Cognos, Tableau |
| **Languages** | SQL, PL/SQL, PERL, Python, Shell Scripting, XML |
| **Data Modeling** | Dimensional Data Modeling, FACT and Dimensions Tables, Physical and Logical Data Modeling, ERWIN, Visio |

# Work Experience:

**Client: DirecTv, EI Segundo, CA**

**Role: Data Analyst Jan 2022 - Present**

**Responsibilities:**

* Worked closely with the **SME** to get an understanding of the business requirements.
* Generated **Data Dictionaries, reports, LDMs, PDMs using Erwin**.
* Worked on **Data-Integration, Data Mapping, Data Profiling** and Data Warehouse access using **SQL, ETL process.** Analyzed the business requirements through weekly meetings with the end-user surgeon team.
* Collaborated with the team in writing **SQL Server scripts** for preparing data sources using Clarity and Caboodle data warehouse.
* Prepared user groups on **Tableau Server mapped** from the active directory.
* Classified users in groups of Super-Interactor and Interactor thus having executive and non-executive access to the dashboard respectively.
* Developed the Surgeon dashboard in **Tableau** through biweekly sprint sessions with the surgeon team.
* Used group and **user level security in Tableau** to make certain views accessible to an executive surgeon vs a non-executive surgeon.
* Prepared **STTM** (Source to Target mapping Document) to convert the business requirements into **ETL Mappings**
* Analyzing the existing mapping logic to determine reusability of the code.
* Creating Mapping Parameters**, Session parameters, Mapping Variables** and Session Variables.
* Identifying source systems, their connectivity, related tables and fields and ensure data suitably for mapping.
* Developed SQL queries and updated existing **SQL queries** according to business requirements
* For the Data migration project worked on Creating the Detail Technical Design Documents which have the ETL technical specifications for the given functionality, overall process flow for each process, **Flow diagrams, Mapping spreadsheets, issues, assumptions, configurations, Informatica code details, Database changes, shell scripts etc.** and conducted meetings with the business analysis, clients for the Approval of the process.
* Prepared PL/SQL scripts for **data mining, cleansing, mapping**, transforming and analysis
* Developed Automated Script in python using open sources for converting around 300 DDLs with data types from Sql server to **Snowflake** at a time using the script.
* Worked on Execution of **DDL scripts conversion** and create snowflake tables.
* Converted computational columns data type from **SQL to SNOWSQL** for code compatibility.
* Developed file splitter program using **Python scripting** to split large size files into small chunks.
* Participating in UAT sessions to educate the business users about reports**, dashboards** and the BI System.
* I work with the test team to provide insights into the data scenarios and test cases.
* Working on **data validation and data profiling** to ensure the accuracy of the data between the warehouse and source systems.

**Environment**: Erwin, MS Access DB, Informatica Meta Data Manager, Snowflake, Flat Files, Oracle 12c, PL/SQL, HP ALM, Autosys, MS Visio, Toad, Windows 10, UNIX putty, IP Switch, JIRA tracking Tool.

**Client: Humana, GreenBay, WI Jun 2019 – Nov 2021**

**Role: Data Analyst**

**Responsibilities:**

* Involved in leading both onsite and offshore teams.
* Worked closely with **the SME and BA** to get an understanding of the business requirements.
* Worked in Agile Model, moving through the sprint cycle and using the tracking Tool: **JIRA.**
* Prepared Functional specification Doc to convert the business requirements **into ETL Mappings**.
* Responsible for architecting and developing solutions and successful **project delivery & process** engagements Developed workbooks to perform year over year, quarter over quarter, **YTD, QTD and MTD** type of analysis utilizing tableau desktop.
* Designed Tableau data visualization utilizing **cross tabs, maps, box and whisker charts, scatter plots,**

geographic map, pie charts, bar charts and density charts.

* Implemented **context filters and data source** filters while handling huge volume of data.
* Published Workbooks by creating user filters so that only appropriate teams can view it.
* Implemented Tableau online to publish and share the reports with the business users.
* Created action filters**, LOD expressions, parameters** and calculated sets for preparing dashboards and worksheets in **Tableau**.
* Translated business logics into entity **relationship/data models** perbusiness specifications**.**
* Generated **Tableau Dashboard** per business needs utilizing tableau features (such as calculated fields, parameters, table calculations, row-level security, joins, data blending, and dashboard actions).
* Designed monthly reports utilizing **Tableau desktop** to be published onto Tableau online.
* Created data connections and published it on Tableau online for to be used with

**operational/monitoring dashboards**.

* Developed **Tableau data visualization** utilizing cross tabs, heat maps, box and whisker charts, scatter plots, pie, bar and dual axis charts.
* Worked with heterogeneous sources to Extracted data from **Oracle tables, Flat files (fixed width, delimited) and SQL server tables** and loading to a relational Oracle warehouse.
* Developed UNIX scripts **for** jobs scheduling, DDL scripts for creating Oracle tables, Materialized Views for the MicroStrategy Reporting needs.
* Performed on data analysis**, data quality, data mapping between ODS**, staging tables and data warehouses
* Assisted in developing conceptual, logical, and physical modeling using **ERWIN**
* Designed and developed **several ETL scripts for ECCS using Informatica**
* Analyzed the source data coming from **Oracle, Flat Files, and MS Excel**; coordinated with data warehouse team in developing Dimensional Model
* Performed database integrity check using **PL/SQL**
* Created complex **SQL** views for reporting needs, tuned **SQL queries** for better performance
* Extensively used all the features of Informatica including Designer, Workflow manager, Repository

**Manager and Workflow monitor**

* Wrote **Shell script** to detect errors production loads and take corrective actions
* Analyzed the session logs, bad files and error tables for troubleshooting mappings and sessions
* Created various mappings like Update Strategy, Lookup, Sequence Generator, Expression, Aggregator,

**XML**, Stored Procedure and tested the mappings for data verification in Designer

* Tracked and reported software bugs/defects and Project activities using **JIRA**
* Attended regular meetings for project status, issue identification, and Progress Reporting
* Serve as a liaison between **IT and Business Units and/or clients**
* Coordinated ETL and database development work with offshore ETL developers and conducted code reviews.

**Environment**: Informatica PowerCenter 10.2, SQL Server Management Studio 2014, AS400, Flat Files, Oracle 12c, PL/SQL, Atlassian ITSM, CTRL-M, Toad, Windows 10, UNIX putty, Win SCP, JIRA tracking Tool.

**Client: TRW Inc, Farmington Hills, MI**

**Role: Data Analyst Mar 2018 - May 2019**

* Configured facets modules such as Claims, Pharmacy, Membership and Group customer.
* Worked closely with customers, vendors, business analysts and application development project teams to resolve information flow and content issues.
* Writing SQL queries for **data analysis and data validation** as per requirements and disseminated data through **Microsoft Excel.**
* **Worked with IT teams** to ensure compliance.
* Worked with business and **vendor partners, and project delivery leads** to determining business data intelligence needs.
* **Worked with data architects** to design the common customer view of information.
* Developed solutions and recommendations for improving data **integrity issues, established data profiling** and preventative procedures to improve data quality.
* Assisted team with **Data visualization, Reporting and Analysis; cross map, Scatter plots, Geographic Map, pie charts and Bar charts**.
* Involved in defining the source to target data mappings, business rules, business and data definitions.
* Document the complete process flow to describe program development, **logic, testing, and implementation, application integration, coding.**
* **Document, clarify,** and communicate requests for change requests with the requestor and coordinate with the development and testing team.
* **Designed and implemented SQL queries** for report and validation of various lab data coming from different vendors on weekly and monthly basis.
* Data mapping, logical data modeling, created class diagrams**, ER diagrams and used SQL queries** to filter data within the **Oracle database**.
* Used Informatica to extract and transform data.
* Utilized **SDLC Methodology** to configure and **develop process, standards and procedures**.
* Analyzed program needs and translated them into data warehousing and data mart requirements.
* Monitored project progress by tracking activity; resolving problems; publishing progress reports; recommending actions.
* Prepared detailed reports and presentations using **SQL .**
* Assisted in creating fact and dimension table implementation in **Star Schema** model based on requirements.
* Worked on enterprise-wide **complex projects/issues/enhancements** as a team member.
* Contributed to daily **standup meetings**, which included discussions about any **roadblocks and team goals.**
* **Performed Gap Analysis** to ensure the changes to existing systems are well documented for developers and are communicated clearly to the business for a **smooth roll-out**.

**Client: Reflexis Systems, India Feb 2017 – Feb 2018**

**Role: Data Analyst**

**Responsibilities:**

* Worked with business and **vendor partners, and project delivery leads** to determine business data intelligence needs.
* **Worked with data architects** to design the common customer view of information.
* Developed solutions and recommendations for improving data **integrity issues, established data profiling** and preventative procedures to improve data quality.
* Assisted team with **Data visualization, Reporting and Analysis; cross map, Scatter plots, Geographic Map, pie charts and Bar charts**.
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**XML**, Stored Procedure and tested the mappings for data verification in Designer

* Tracked and reported software bugs/defects and Project activities using **JIRA**
* Attended regular meetings for project status, issue identification, and Progress Reporting
* Serve as a liaison between **IT and Business Units and/or clients**
* Coordinated ETL and database development work with offshore ETL developers and conducted code reviews.