**PROFESSIONAL SUMMARY:**

Technically skilled Excel Data Analyst to provide data cleansing support and validation of data for use in presentations, metrics, and reporting of information. Excellent experience in Data Analytics and Business Analytics, while providing support in the areas of project coordination, data analysis, and metrics reporting. Able to translate business needs into complex analysis designs and recommendations. Able to perform complex multiple tasks while insuring seamless support of the overall project timeline. Extensive experience using data cleansing techniques, Excel pivot tables, formulas, and charts. Strong communication and customer service skills.

**SUMMARY OF QUALIFICATIONS:**

* Over 8+ Years of Information Technology Industry experience, working as both Data Analyst/BI Business Analyst.
* Experienced in creating Use Cases, Sequence Diagrams, Activity Diagrams, Collaboration Diagrams and Class Diagrams using rational tools and Microsoft Visio.
* Extensive experience in gathering requirements and authoring Business Requirement Documents (BRD), Software Requirement Specification (SRS), Functional Requirement Document (FRD) and maintaining Requirement Traceability Matrix.
* Expert in analysis, design, development and implementation of Business Intelligence (BI) solutions focused on streamlining data for operational, functional, and enterprise level reporting.
* Extensive experience in implementing BI concepts like Self Service Analytics and Data Visualization.
* Extensive knowledge of data warehousing & big data concepts.
* Expert in Agile/ SCRUM methodologies, specifically rapid prototyping and in CMS XLC (expedited Life Cycle) Agile.
* Skilled in Statistical analysis, Quantitative analysis, predictive modeling and forecasting, hypothesis testing, data mining, data cleaning, data quality assessment data integration and validation, data modeling, ETL, data visualization
* Proficient in MySQL (RDBMS, SQL server, PL SQL), Python (numpy, pandas, scikit - learn), Core Java, Web scrapping, A/ B Testing, Google Analytics, Web Analytics, Marketing Analytics.
* Expertise in transforming business requirements into analytical models, design algorithms, and develop reporting solutions that scales across massive volume of structured and unstructured data.
* Expertise in Advanced MS-Excel (Gsuite, sheets), PowerPoint, spreadsheets (Pivot table & Pivot Charts, Macros, VLOOKUP) Jupiter/ipython notebook, Version control software (GitHub, Bugzilla, Jira).
* Knowledge of big data technologies, Hadoop, Hive, Map Reduce, NoSQL, JavaScript, Linux, HTML, CSS, AWS, Salesforce Customer Relationship Management (CRM) platform.
* Expertise in data visualization, developing Dashboards, Charts, Graphs and reports using Tableau
* Using Python, SAS, and R to create predictive and descriptive data analysis.
* Skilled in data manipulation and generating customized reports with SAS data steps and procedures and have experience in handling large amounts of data for Data Cleansing, Data Profiling and Data Scrubbing.
* Extensive experience in SAS/Report generating procedures like Proc Summary, Proc Freq, Proc Means, Proc Univariate, Proc Transpose, Proc Format, Proc Report, Proc Tabulate, Data Null etc.
* Proficient in Transact-SQL development which includes creating complex business stored procedures, tables, cursors, views, triggers and functions.
* Knowledge of querying No-SQL database MongoDB.
* Proficient in creating sub-queries and joins for complex queries involving multiple tables and exception handlers.
* SSRS reporting - creating functional reports for business units.
* Developed and deployed Business Objects Reports using SAP Crystal Reports.
* Proficient in writing parameterized queries for generating tabular reports and sub reports using global variables, expressions, and functions, sorting the data, defining data sources and subtotals for the reports using SSRS.
* Extracted, transformed and loaded data from various heterogeneous data sources and destinations like Access, Excel, CSV, Oracle, flat files, JSON files using connectors, tasks and transformations provided by Integration services (SSIS).

**TECHNICAL SKILLS:**

**Programming Languages:** C, Visual Basic, and C++, VB 6.0, SQL, Hadoop (Hive, Pig), Python, R.

**Scripting Languages:**MS-DOS, Bash, Korn.

**ETL tools:**Confidential Power center, SSIS, AB Initio.

**Data modelling:**Sybase Power Designer / IBM Data Architect.

**Frameworks:**Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Groovy.

**Application/Web Servers:**JBoss, Glassfish 2.1, WebLogic, Web Sphere, Apache Tomcat Server.

**MS-Office Package:**Microsoft Office (Windows, Word, Excel, PowerPoint, Visio, Project).

**Visualization tools:**Tableau Desktop, Python, Pandas, NumPy, Datorama.

**ETL Tools / Tracking tool:**Confidential, SSIS, SSAS, SSRS / JIRA.

**Database Development:**T-SQL and PL/SQL, Microsoft Hyper-V Servers.

**Databases:**Teradata R12 R13 R14.10, MS SQL Server, DB2, Netezza.

**Testing and defect tracking Tools:**HP/Mercury (Quality Center, Win Runner, Quick Test Professional, Performance Center, Requisite, MS Visio & Visual Source Safe.

**Operating Systems:**Windows, UNIX, Sun Solaris.

**PROFESSIONAL EXPERIENCE:**

**Client:** State of IL, Orland Park, IL. **From:** Jan 2019 - Present

**Role:** Data Analyst / BI Business Analyst

**Responsibilities:**

* Possess and applied a broad knowledge of principles, practices and procedures of Marketing, Merchandizing subject area to the completion of various difficult assignments.
* Analysis of functional and non-functional categorized data elements for data profiling and mapping from source to target data environment. Developed working documents to support findings and assign specific tasks
* Accomplished financial tests to ensure compliance with CCAR, BASEL, Dodd-Frank and Sarbanes-Oxley using SQL, Oracle, SAS, DB2, Teradata, and MS Access; being proficient with business intelligence tools such as SSIS, SSRS, TOAD, SAS Enterprise Guide, Tera data SQL Assistant, VBA, Tableau, and Actimize.
* Successfully worked on Data visualization with tools like Excel, QlikView.
* Worked in importing and cleansing of data from various sources like DB2, Oracle, flat files onto SQL Server with high volume data.
* Experience with writing scripts in Oracle, SQL Server and Netezza databases to extract data for reporting and analysis
* Involved in Data mapping specifications to create and execute detailed system test plans. The data mapping specifies what data will be extracted from an internal data warehouse, transformed and sent to an external entity.
* Analysed business requirements, system requirements, data mapping requirement specifications, and responsible for documenting functional requirements and supplementary requirements in Quality Center.
* Tested Complex ETL Mappings and Sessions based on business user requirements and business rules to load data from source flat files and RDBMS tables to target tables.
* Translate business requirements into conceptual, logical data models and integration data models, model databases for integration applications in a highly available and performance configuration using ER/Studio.
* Created Physical Data Model from the Logical Data Model using Compare and Merge Utility in ER/Studio and worked with the naming standards utility.
* Performed GAP analysis with Teradata MDM and Drive SQL data models to get clear understanding of requirements.
* Experience in understanding user requirements around technical data, interaction of data between systems and system dependencies.
* Worked with ETL teams and used Informatica Designer, Workflow Manager and Repository Manager to create source and target definition, design mappings, create repositories.
* Developed and maintained data dictionary to create metadata reports for technical and business purpose.
* Provided strategic, analytical and technical support for the Business Intelligence activities of the team.
* Used SQL, Python, Excel, and other tools to create reports and develop practical solutions to challenges for operations, engineering, and sales
* Transformed existing standalone reporting into a coherent and extensible reporting workflow (ETL)
* Wrote complex, efficient, and accurate SQL queries utilizing massive data sets.
* Data Analysis- Data collection, data transformation and data loading the data using different ETL systems like SSIS and Informatica.
* Designed complex risk reports, Score Cards, and Dash Boards using MicroStrategy.
* Worked on exploring the dimensions such as Drill Down, Drill Up, Drill down and up on nested categories, filtering the data etc.

**Environment:** MicroStrategy Desktop/ Server, Teradata 13.10, Oracle, SSIS, SSRS, Teradata SQL Assistant, Teradata Administrator, SQL Developer, Power Designer, MS Office Suite Word, Excel, PowerPoint.

**Client:** Genentech, South San Francisco, CA. **From:** Aug 2017 – Dec 2018

**Role:** Data Analyst/ BI Business Analyst

**Responsibilities:**

* Highly provide hands-on Database, Data Modeling, Data Warehousing, ETL expertise and mentoring.
* Experienced in gathering/analyzing the business/user requirements, designing ODS tables in consultation with the Data Architect, analyzing the source/target dependencies & Production Troubleshooting.
* Used Informatica reusability at various levels of development.
* Developed Stored Procedures, Functions & Packages to implement the logic at the server end on Oracle 9.2. Performed Application/ SQL Tuning using Explain Plan, SQL Tracing & TKPROF. Also, used Materialized View for the Reporting Requirement.
* Responsibilities also include Gathering the Business requirements, Business Analysis, Design, QA testing and final promotion to the production as well.
* Created data masking mappings to mask the sensitive data between production and test environment.
* Performed Data Analysis and data profiling using complex SQL on various sources systems including Oracle 10g/ 11g and Teradata.
* Creation of multiple SSIS packages to import data from the legacy (mainframe) system, Oracle and Mongo DB to target SQL Server DB for report consumption and other use.
* Assisted in creation, verification and publishing of meta data including identification, prioritization, definition and data lineage capture for Key Data Elements (KDE) and Important Data Elements (IDE).
* Written SQL scripts to test the mappings and Developed Traceability Matrix of Business Requirements mapped to Test Scripts to ensure any Change Control in requirements leads to test case update.
* Involved in the design of the new Data Mart for Finance Department and working with Data Architect/ Designer using Erwin Data Modeling Tool.
* Involved in Data profiling and performed Data Analysis based on the requirements, which helped in catching many Sourcing Issues upfront.
* Corporate with horizontal Data Analyst Community to develop analytical tools using Big Data Platform such as Hadoop.
* Using Unix Shell Scripts to schedule workflows.
* Designed and developed an end-to-end data warehousing and OLAP solution using SSIS, SSAS, SSRS, and SQL Server.
* Assist Business Objects & Tableau Report Developers to develop reports based on the requirements.
* Worked with supporting business analysis and marketing campaign analytics with data mining, data processing, and investigation to answer complex business questions.
* Designed SSIS Packages to Extract, Transfer and Load (ETL) existing data into SQL Server from different environments for the SSAS cubes
* Created data models for AWS Redshift and Hive from dimensional data models.
* Worked on Data modelling, Advanced SQL with Columnar Databases using AWS.
* Involved using ETL tool Informatica to populate the database, data transformation from the old database to the new database using Oracle.
* Developed Tableau Data Visualization using Pareto's, Combo charts, Heat Maps, Box and Whisker plots, Scatter plots, Geographic Map, Cross tabs and Histograms.
* Published and shared dashboards and views on Tableau server.
* Developed Data mapping, Data Governance, Transformation and Cleansing rules for the Master Data Management Architecture involving OLTP, ODS and OLAP.
* Performed logical data modeling, physical Data Modeling (including reverse engineering) using the ERWIN Data Modeling tool.
* Created reports from OLAP, sub reports, bar charts and matrix reports using SSRS.
* Experienced in Providing SQL to tollgate and data quality check to ETL to test the data inserted by the Java rules engine into staging table as per requirement and logic to automate the process.
* Developed detailed ER diagram and data flow diagram using modeling tools following the SDLC structure
* Experienced in Provided PL/SQL queries to developer as source queries to identify the data provided logic to assign.
* Extensively used SAS procedures like IMPORT, EXPORT, SORT, FREQ, MEANS, FORMAT, APPEND, UNIVARIATE, DATASETS and REPORT.
* Performed Data audit, QA of SAS code/projects and sense check of results.

**Client:** Servion Global Solutions, San Jose, CA. **From:** Jan 2014 – July 2016

**Role:** Data Analyst/DW/ Business Analyst

**Responsibilities:**

* Development and support of the key data integration and migration initiative for the conversion, integration and migration of data from different legacy systems to the central database system, from where it will be consumed for further business decisions.
* Interact with legacy business users to understand business process flow, business logics and to assess major data objects, data volume and level of effort required for data conversion and migration.
* Work with business users/owners to gather data migration requirements, design data mapping documents, and define business rules for cleansing, and transformation requirements.
* Documentation and update of the business requirements in close coordination with data stewards and key stakeholders about the ongoing approach and mapping of the objects and data elements across the systems.
* Conducted in depth CRUD analysis of the data from multiple systems, to determine the high- impact database objects, tables and to determine the data flow and potential area of improvements.
* Conduct in-depth Data Profiling and Data Quality Assessment of the data in the Legacy Systems, to determine the current level of data accuracy, conformation to standards etc.
* Analysis and comparison of the data across different sectors to check for data consistency, accuracy and relevance of the existing data. Data profiling on data for reference, waybill and shipping data and document the discrepancies observed in the data.
* Write multiple SQL and PL/SQL scripts, stored procedures etc. to process and standardize the data and conduct checks across different databases to determine referential integrity and consistency of data.
* Discussions with data architects, business stakeholders about the data quality results and have discussions about the data standards, and the kind of business rules to ensure efficient data quality standard in future.
* Develop framework to extract and dump the data from various legacy sources into the staging area and create scripts and setup to extract, parse, cleanse and massage the data to standardize it.
* Creation of the data structure and staging area for dumping the legacy data and inter-linking all the segment data for in-depth analysis and closer look.
* Creation of extraction files from various data sources, dump it into a staging area and use the script to parse data out of the files and dump it into the staging tables.
* Develop scripts, matching rules and transformations to compare data across systems and harmonize and massage the data to do cleansing and identity and eliminates the duplicates.
* Conduct migration and integration the data from multiple data sources, into the target tables using the extract, transform and load packages.
* Conduct post migration check and acceptance testing for validating the quality, accuracy and consistency of the data in the target database

**Environment:**  Oracle, DB2, PL/ SQL, T-SQL, Mainframe, Informatica, Informatica IDQ, Toad, Oracle Customer Data Hub, Sybase, J2EE, ER Studio, Unix Shell Script, Linux

**Client:** Image API, Jacksonville, FL. **From:** Nov 2012 – Dec 2013

**Role:** Business Intelligence/ Data Analyst

**Responsibilities:**

* Designed and implemented data models in R around new data sources to analyze customer call tariffs
* Gathered data requirements around new data sources and new uses for existing data sources
* Visualized and reported the data findings using D3.js and appropriately provided insights to the IT team
* Participated on cross-functional project teams to identify critical requirements from a reporting perspective
* Acquired data from multiple sources and prepared data for further analysis
* Worked on customer data related issues and worked on project resolution in collaboration with development teams
* Involved in discussions with business partners to identify questions for data analysis and experiments
* Met with SME to gather information, designed/created process maps; process flows, swim lanes using Visio
* Responsible for managing the process, technology changes and implementing agile methodology
* Used Excel Sheets, flat files to generate tableau ad-hoc reports
* Generated Tableau dashboards for sales with forecast and reference lines
* Worked with business managers/leaders; reviewed business and system requirements
* Acquire data from primary or secondary data sources and maintain databases/data systems
* Identify, analyze, and interpret trends or patterns in large data sets
* Utilization of Power BI functions and Pivot Tables to further analyze in given complex data
* Understanding the Functional Design Specs and preparing the Technical design
* Involved in designing and developing High level and Low-level designs
* Worked Extensively on Tableau tools -Repository Manager, Designer and Server Manager
* Involved in Extraction, Transformation and Loading (ETL) Process
* Created and Monitored Batches and Sessions using Tableau Power Center Server
* Tuned the mappings to increase its efficiency and performance
* Used Tableau Workflow Manager to create workflows
* Workflow Monitor was used to monitor and run workflows
* Developing Unit Test Plans thoroughly covering all the business scenarios
* Worked on enhancement activities related to GL accounts
* Involved in unit testing, systems testing, integrated testing and user acceptance testing
* Prepared documents related to various HELOC, HELOAN, Reverse Mortgage, SEMAX applications
* Configure the applications using Microsoft Office Suite (Word, Excel, Outlook, PowerPoint, Project, Visio) to meet a client requirement

**Environment:** Oracle, XML, SQL, SAS, R, SPSS, SSRS Metadata Hub, Data Quality tool.

**EDUCATIONAL QUALIFICATION:**

Bachelor of Arts in from NIFD, Bangalore, India