Sangeetha Panigrahi

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**Professional Summary:**

* Over 9+ years of IT experience in the Analysis, design, development, testing and Implementation of ETL & Business Intelligence solutions using Data Warehouse/Data Mart Design, ETL, OLAP, Client/Server applications.
* Experience in gathering and creating Business Requirements and translating business requirements into technical requirements and writing functional and technical specifications.
* Performed various types of testing, such as functional, system, regression and user acceptance testing.
* Experienced in Training, Documentation, and Implementation in a business environment.
* Experience in Data Analysis, Data Validation, Data modeling, Data Cleansing, Data Verification and identifying data mismatch.
* Highly Proficient in Agile, Iterative, and Waterfall and Scaled Agile Framework (SAFe) software development life cycles.
* Experience in Data Governance Policies, Business Glossary, Data Dictionary, Data, Metadata & Master Data, Data Lineage, and Data Quality Rules.
* Has expertise in Test Case Design, Test Tool Usage, Test Execution, and Defect Management.
* Strong working experience on data warehousing applications, directly responsible for the Extraction, Transformation and Loading of data from multiple sources into Data Warehouse.
* Defined and shipped a new exporting functionality on SAP Business Object Design Studio & Lumira, in collaboration with engineering.
* Worked on Data Scrubbing/Cleansing, Data Quality, Data Mapping Data Profiling, Data Validation in ETL.
* Extensively used ETL methodology for supporting data extraction, transformations and loading processing, in a corporate-wide-ETL Solution using Data Stage.
* Performed data extraction, transformation and loading (ETL) between systems using SQL tools such as SSIS.
* Proven development experience using full suite of Business Objects reporting tools: Web Intelligence, Crystal Reports, Information Design Tool, Universe Design Tool.
* Strong Delivery Skills including requirements gathering, gap analysis, effort estimations, functional design, and UAT Support, Master Data Administration, Training and risk analysis.
* Experience in design of Data Warehouse/Data Mart, Star Schema, Snowflake Schema, ODS, ETL process, Data Requirement Analysis, Data modeling &ER-Diagrams, Development, Testing, Documentation and Implementation of Business Applications.
* Good understanding of Oracle Data Dictionary, Oracle Workflow, Data Flow Diagrams, ER Diagrams, Data warehousing concepts, RDBMS and Normalization Techniques.
* Familiar with Data warehousing tools. Used ETL tools like Informatica 8.x/ 7.x to extract and load data.
* Extensively used Data Definition Language (DDL), Data Manipulation Language (DML), and Data Control Language (DCL) in SQL to process large data requests.
* Proficient at developing Ad hoc queries and reports using Teradata SQL and UNIX to fulfill data requests from business analysts and financial analysts.
* Proficient at creating Reports, Pivot Tables, VLOOKUP, Hook-up, Index, Graphs, and Match in MS Excel; Proficient at utilizing MS PowerPoint, MS Access, and MS Word.
* Ability to collaborate with peers in both, business, and technical areas, to deliver optimal business process solutions, in line with corporate priorities.
* Extensive experience in visualizing the design of the system by UML, Class diagrams, ER Diagrams and web page mock-ups.
* Experience in providing a central contact for user questions/inquiries relating to stewarded data within the domain of stewardship.
* Experience in various phases of Software Development life cycle Analysis, Requirements gathering, designing with expertise in documenting various requirement specifications, functional specifications, Test Plans, Source to Target mappings, SQL Joins.
* Specialized in creating several reports such as drill down/drill-through reports, parameterized reports, linked reports, sub reports, Matrix Reports, Charts using SQL Server Reporting Services
* Experienced in creating DDL objects like Databases, Tables, Views, Relational Keys, constraints, indexes, logins, Linked Servers, Sequences, and Synonyms etc.
* Proficient in Oracle E-Business Suite (EBS) with a focus on versions 12.2 or higher.
* Expert in Tableau Desktop 10.x/9.x/8.x, Tableau Reader and Tableau Server and Experienced in analysis, modeling, design, and development of Tableau reports and dashboards for analytics.
* Expertise in creating Dashboards, stories and developing different charts styles including Bar Charts, Line Charts, Tree Maps, Gantts, Circle views, Scatter Plots, Bullet Graphs, Histograms, Heat Maps, Geo Maps, Text Graphs in Tableau desktop environment.
* Ability to quickly adapt and learn new software applications.
* Proficient in Oracle database technologies and tools.
* Strong experience in Data Modeling with expertise in creating Star Snow-Flake Schemas, FACT and Dimensions Tables, Physical and Logical Data Modeling using Erwin and Embarcadero.

**Technical Skills:**

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| Data Warehousing | Informatica 9.1/8.6/7.1.2 (Repository Manager, Designer, Workflow Manager, and Workflow Monitor), SSIS, Data Stage 8.x |
| Language | RDBMS & HTML, T-SQL, PL/SQL, C/ C++, Python, Hadoop, Java, Visual C++, Visual Basic 6.0, HTML, XML |
| Cloud | AWS (EC2, S3, RDS RedShift, EMR), Google Cloud (Big Query, Kubernetes) |
| Databases | MySQL, PostgreSQL, MS SQL Server, MongoDB, Hive, Presto, AWS RDS, AWS Redshift, AWS Redis, Big Query |
| Tools | Tableau, Hadoop, Hive, Apache Airflow, Apache Spark, Flask, Apache Kafka, Jupiter Notebook, Excel, Jira, Git, Docker, Kubernetes, TOAD, BTEQ, Teradata SQL Assistant |
| Operating System | Windows, UNIX |
| Data Modeling | Erwin 4.0, Power Designer, Microsoft Visio 2003, ER Studio, Star-Schema Modeling, Snowflake-Schema Modeling, FACT and dimension tables, Pivot Tables, Sybase Power Designer |
| Testing Tools | Win Runner, Load Runner, Test Director, Mercury Quality Center, Rational Clear Quest |
| Packages | NumPy, Pandas, Scikit-learn, TensorFlow, Matplotlib, Seaborn, Plotly, NLTK |

**Professional Experience:**

**Client: Aug 2018 – Oct 2023**

**o BNY, Mellon**

**o Softech Infinium Solutions**

**o FireEye Inc**

**o The Queens Health System**

**Role: Sr. Data Analyst**

**Responsibilities:**

* Working with business partners and team members, gather and analyze requirements translating these into solutions for database designs supporting transactional system data integration, reports, spreadsheets, and dashboards.
* Used agile software development with Scrum methodology.
* Involved in Planning, Defining and Designing database using Erwin on business requirement and provided documentation.
* Used Pandas, NumPy, seaborn, SciPy, Matplotlib, Scikit-learn, NLTK in Python for developing various machine learning algorithms and utilized machine learning algorithms such as linear regression, multivariate regression, naive Bayes, Random Forests, K-means, &KNN for data analysis.
* Created Performance Metrics using Quantitative Analyst and Benchmark Scorecard evaluating the team performance using MS Excel, SQL, Access and power point, which helped executives gain actionable insights.
* Worked extensively with Advance Analysis using Actions, Calculations, Parameters, Background images, Maps, Trend Lines, Statistics, and Log Axes. Groups, hierarchies and sets to create detail summary report and Dashboard using KPI's.
* Designed ETL packages dealing with different data sources (SQL Server, Flat Files, and XML etc.) and loaded the data into target data sources by performing different data transformations (DTS) using SSIS.
* Involved in designing and creating schema objects like Database tables, indexes, views, materialized views and synonyms
* Guided internal business owner for KPI of web metrics pertaining the business
* Organizing triage calls between Sirius XM, Sustain, and Development and Operation teams on priority issues and resolving them.
* Assisted in the creation of a Data Governance Risk Matrix which will assign a risk rating for every external data exchange in a consistent manner.
* Integrate data from various modules within the ERP system to create a comprehensive and unified dataset.
* Using Adobe, Google analytics, KlipFolio Dashboards for Executive level Analytics Summary
* Analyzed on Google Analytics Ecommerce impact and resolved conversion hurdles
* Enroll and Onboard OnStar vehicles and activate/deactivate SXM radios for all the vehicles that are under wrong radio service and update these vehicles with correct service using SQL scripts.
* Created lists of ICD9 - ICD10 CM/PCS codes, with reference to the usage percentile and provided to Stakeholders to determine if codes were best-fit or all possibilities.
* Extensively used SQL procedures in SAS for creating SAS datasets and generating reports using them when Teradata was offline for maintenance.
* Designed, created and implemented WebI reports, Webservices (BIWS) and Design Studio Dashboards using best practices.
* Utilized Oracle Analytics tools for creating dashboards, reports, and visualizations to provide actionable insights.
* Conducted in-depth analysis of historical workforce data to identify trends, patterns, and key performance indicators (KPIs) to support accurate forecasting.
* Previous experience in the medical device or pharmaceutical industry, with knowledge of GxP (Good Practice) standards.
* Cleanse and validate data to maintain accuracy and consistency.
* Ensure seamless flow of information between different departments and modules.
* Used Business Objects XIR3 extensively and Involved in Full SDLC (software development life cycle) rules are followed for designing new components.
* Utilized advanced statistical models and machine learning algorithms to develop workforce forecasting models, resulting in a more accurate prediction of staffing needs and resource allocation.
* Experience in Data Extraction from and Load into heterogeneous Data Sources such as Oracle, MS SQL Server, Flat files, XML and loaded into SAP ECC, SAP HANA, Data Warehouses.
* Created SSIS Packages for import and export of data between MS SQL Server 2014 database and others like MS Excel and Flat Files.
* Created logical and physical data models and reviewed these models with the business team and data architecture team.
* Conducted training sessions for end-users on Oracle Analytics capabilities and best practices.
* Working on web metrics platform using Google analytics Premium
* Transformed Logical Data Model to Physical Data Model ensuring the Primary Key and Foreign key relationships in PDM, Consistency of definitions of Data Attributes and Primary Index considerations.
* Created SQL scripts to find data quality issues and to identify keys, data anomalies, and data validation issues.

**Client: Feb 2014 - Apr 2018**

**o GENESIS INFOCOM PRIVATE LIMITED**

**o Boston Scientific**

**o Pitney Bowes, UK**

**Role: Sr. Data Analyst**

**Responsibilities:**

* Analyzing the specifications provided by the client and developing the specification document for the reports as per the client requirements.
* Designed, developed, debugged Stored Procedures, configuration files and implement best practices packages to maintain optimal performance.
* Generate regular reports and dashboards for stakeholders using ERP data.
* Created Dashboard Reports using Power BI, Cognos and Tableau.
* Involved in migration projects to migrate data from data warehouses on Oracle/DB2 and migrated those to Teradata.
* Conducted regular audits of workforce data to ensure data accuracy, consistency, and compliance with company policies and industry regulations.
* Troubleshoot and resolve issues related to data migration in the Oracle EBS environment.
* Collaborate with cross-functional teams to understand business requirements and translate them into effective data migration strategies within Oracle EBS.
* Developed and implemented data visualization tools and dashboards to present workforce analytics to non-technical stakeholders, enhancing data-driven decision-making.
* Plan and execute data migration projects within the Oracle ecosystem.
* Worked in agile environment and developed CI/CD (Continuous Integration and Continuous Deployment) pipeline through Jira, GitHub, Team City, Pypi, Docker Hub, Supported Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* Helped with the migration from the old server to Jira database (Matching Fields) with Pythonscripts for transferring and verifying the information.
* Effectively communicate with product team and support Engineering team during development cycle Agile.
* Creating Scope definition and Value proposition
* Create automated solutions using Databricks, Spark, Python, Snowflake, HTML.
* Working on web metrics platform using Google analytics
* Responsible for management of data, duplicating the data and storing the data in to specific data warehouse using Talend Platform for Data Management and MDM.
* Worked extensively in documenting the Source to Target Mapping documents with data transformation logic.
* Interact with the SMEs to analyze the data extracts from Legacy Systems Mainframes and COBOL Files and determine the element source, format and its integrity within the system
* Transformations of requirements into data structures, which can be used to efficiently store, manipulate and retrieve information.
* Collaborate with stakeholders to understand data requirements and migration objectives
* Creating operating models and communication plans.
* Designed logical and physical data models, Reverse engineering, Complete compare for Oracle and SQL server objects using E/R Studio.
* Reverse Engineering the existing data marts and identified the Data Elements (in the source systems), Dimensions, Facts and Measures required for reports.
* Developed rule sets for data cleansing and actively participated in data cleansing and anomaly resolution of the legacy application.
* Implemented data-driven strategies to optimize labor costs, improve resource utilization, and enhance overall workforce efficiency.
* Collaborated with HR teams to streamline workforce planning processes, incorporating data-driven approaches to recruitment, onboarding, and talent management.
* conducted scenario analysis to assess the impact of various supply chain disruptions and developed contingency plans to mitigate risks.
* Defined facts, dimensions and designed the data marts using the Ralph Kimball's Dimensional Data Mart modeling methodology using E/R Studio.
* Involved in Data profiling and performed Data Analysis based on the requirements, which helped in catching many Sourcing Issues upfront.
* Developed Data mapping, Transformation and Cleansing rules for the Data Management involving OLTP and ODS.
* Conducted scenario analysis and sensitivity testing to assess the impact of various workforce-related factors on business operations, aiding in strategic planning.
* Analyze existing data structures and develop strategies for efficient data migration.
* Created and maintained key supply chain performance metrics, providing regular reports and insights to support strategic decision-making.
* Identify critical data
* Customize ERP reports and dashboards based on user requirements.
* Integrated Power BI with other Microsoft tools and platforms, like Azure services, SharePoint, and Teams for seamless data sharing and collaboration.
* the Test Plan, Test Cases and Test Scenarios to be used in testing based on Business **Requirements**, technical specifications and/or product knowledge.
* Analyze the Business Object reports/extracts and submit to the Risk manager after the proper validation.
* Defining appropriate security roles related to data Define roles associated with securing, provisioning and auditing security of the data within the domain of stewardship and define named individuals for each required role.
* Design and implement data extraction, transformation, and loading (ETL) processes.
* Ensure data integrity and accuracy during the migration process.
* Architected and implemented the Asset model as per data governance operating models in Collibra to serve as an electronic data management platform.
* Collaborated with cross-functional teams to streamline communication and coordination, reducing lead times by 25%.
* Perform both record-level and large-scale manual additions, adjustments and corrections to continuously ensure overall data quality and integrity.
* Implemented Copy activity, Custom Azure Data Factory Pipeline Activities.