**PROFESSIONAL SUMMARY**

* A Data Warehouse consultant/Data Analyst with **around 9+ years** of experience in Data Warehouse Design, methodologies Extraction, Transformation and Loading, Data Analysis, Data migration, Data preparation, Graphical Presentation, Statistical Analysis, Reporting, Validation and Documentation.
* Having programming experience as an **Oracle PL/SQL** Developer in Analysis, Design and Implementation of Business Applications using the Oracle Relational Database Management System.
* Exposed to diverse business processes, that includes Insurance, Banking, E-business, Research Groups, Credit card services and Service Industry sector.
* Experience with Data flow diagrams, Data dictionary, Database normalization theory techniques, Entity relation modeling and design techniques.
* Strong experience in Data Warehousing, Data Architecture, Data Modelling, Data Mining, Data Analysis, Decision Support System (DSS) and GUI applications
* Proficiency in Data Modelling using **Erwin** Tool for creating Logical and Physical Data Model and used Model Mart as the library
* Expertise in creating Data Marts and Data warehouse using Star flake and Snowflake schema models in implementing decision support systems.
* Experience with working in Agile development environments and Scrum methodologies.
* Evaluation of data accuracy, completeness, timeliness and stability and establishing repeatable, sustainable processes to maintain data
* Strong understanding of analysis and computational complexity and ability to programmatically solve problems
* Excellent diagnostic skills to analyze and identify discrepancies within data sets and identify solutions
* Capable of working independently on multiple projects to meet deadlines
* Able to identify relationships in data to assist in providing insights
* Analytical reporting experience desirable
* Excellent project management skills including planning, scheduling, monitoring and budgeting with experience in requirement gathering, Gap Analysis, Risk Analysis, Effort Estimation etc.
* Excellent skills in Business Analysis, Data Analysis, Data Mapping, Requirement Analysis, Business Modelling and Use Case Development using UML methodology
* Thorough knowledge of Software Development Life Cycle (SDLC), understanding various phases like Requirement gathering, Analysis/Design, Development and Testing.
* Hands on experience in using ETL tool Informatica, for data extraction, performing various transformations and loading the data.
* Experience in development of ETL mapping and scripts.
* Excellent system, process and quality validation skills. ​
* Extensive experience in ETL and business intelligence tools such as – Tableau, Informatica, and Alteryx
* Hands – on experience on performing data analysis on the data stored in variety of systems such as – Oracle, MS Access, SQL server, MongoDB, Redshift, and Snowflake.
* Well versed with big data on AWS cloud services i.e., EC2, S3, Glue, Athena, EMR and RedShift
* Expert at scoping the business problem, gathering the appropriate data, blending various data sources, and telling compelling stories using stellar visuals
* Extensive knowledge in Business Intelligence and Data Warehousing Concepts with emphasis on ETL and System Development Life Cycle (SDLC).
* Experience using Python to perform - advance data blending and developing data pipelines for data science teams.
* Developed several enterprise scale business intelligence systems in tools such as Tableau and Power BI.
* Optimized the BI user experience by designing - aggregate tables, Tableau extracts, scheduled reports, etc.
* Experience in Performance Tuning and Debugging of mappings and sessions. Strong in optimizing the Mappings by creating/using Re-usable transformations, Mapplets and PL/SQL stored procedures
* Proficient with Data Warehouse models like Star Schema and Snowflake Schema.
* Involved in all aspects of ETL-requirement gathering, coming up with standard interfaces to be used by operational sources, data cleaning, coming up with data load strategies, designing various mappings, developing mappings, unit testing, integration testing, regression testing and UAT in development
* Experience working on a variety of enterprise systems such as – Salesforce, Oracle ERP, Workday HRMS, and Peoplesoft HRMS.
* Data Processing Experience in Designing and Implementing Data Mart applications, mainly Transformation Process using Informatica
* Experience in Configuration Management, Release Management activities and also worked with change management team for the final project sign-off. Experience in project estimation, preparing status reports for the customer and preparing handshake document for production support team.

**TECHNICAL SKILLS**

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| --- | --- |
| **Databases** | **Oracle 7.x/8i/9i/10g/11g/12c,** MS SQL SERVER 2000/2005/2008**, My SQL.** |
| **Data Modeling** | Erwin 9.6/7.2/4.1/3.5, Oracle designer 10.1, Power Designer. |
| **Operating System** | Linux, UNIX, Windows 95/98/NT/2000/XP |
| **Languages/Utilities** | **SQL, PL/SQL**, UNIX shell scripts, **Java**, XML, C++ |
| **Reporting Tools** | Power BI and Tableau. |
| **ETL Tools** | Informatica Power mart 4.7/6.1/6.2/7.2, Power centre 1.7/6.2/7.2/8.1/10.1. |
| **Other Tools** | SQL\*Loader, SQL Data Modeler, TOAD, Google analytics, Python, Big Data, Hadoop, HDFS 2, Hive, Spark |
| **Sdlc Methodologies:** | Waterfall, Agile |
| **Big Data Tools &Cloud:** | AWS, Hadoop, Spark |

**Professional Experience:**

**Client; Infosys Nov 2021 - Present**

**Role: Data Analyst | Dallas, TX**

**Responsibilities:**

* Analyse and assess invalid and missing data from Database in UAT environment as per data quality documents.
* Prepared FDD, Data Dictionary, and Data Hierarchy requirements, for workflow process, and relevant Test case artifacts.
* Performed Sanity testing, Smoke testing, Usability testing and testcase scenarios for Structural, Functional, Regression and ETL Load Testing for existing applications, referential data integrity and Data validations.
* Designed ER Physical and logical data models using ER studio. Performed Reverse and forward engineering for existing and new database objects.
* Developed SQL-based data warehouse scripts in development environments for custom database applications.
* Designed Snowflake Clone and Time Travel. And Snowflake Multi - Cluster Warehouses.
* Developed SQL queries on Snowflake Database, Schema and Table structures, with Snow SQL
* Performed Advance SQL queries to analyze DML statements. And development of Views, Materialized views, Functions, Indexes, Partitions and used Oracle Hints for performance Tuning.
* Established analytics goals and used some advance Google Analytics features to extract customer information and also reviewed social media to determine, identify, and translate customer behavior; performed in-depth research and analysis on all available information
* Worked with internal architects and, assisting in the development of current and target state enterprise

data architectures

* Worked with project team representatives to ensure that logical and physical data models were

developed in line with corporate standards and guidelines.

* Involved in defining the source to target data mappings, business rules and data definitions.
* Responsible for defining the key identifiers for each mapping/interface.
* Responsible for defining the functional requirement documents for each source to target interface.
* Documented, clarify, and communicate requests for change requests with the requestor and

coordinate with the development and testing team.

* Reverse engineered all the Source Database's using Erwin.
* Documented data quality and traceability documents for each source interface.
* Designed and implemented data integration modules for Extract/Transform/Load (ETL) functions.
* Involved in data warehouse design.
* Experience with various ETL, data warehousing tools and concepts.
* Performed Data profiling, Data Analysis using Oracle, and Microsoft Excel
* Developed Dimensional & Fact Tables for STAR & Snowflake Schemas in DWH.
* Coordinating with UAT team, on UAT bugs for Feature User Stories involved in UAT and had a proper coverage of business requirements.
* Maintained Requirement Traceability Matrix (RTM) in Microsoft Excel, to make sure that test plans were written for all the requirements and performed Gap Analysis.
* Experienced in handling data integrity from source files to Target Tables for maintaining data governance.
* Participated in daily scrum calls for stand-up status and interacting with DOH and OPTUM for understanding business requirements.

**Environment:** ER studio, Oracle 12c, JIRA, MDW, Informatica, Access 2016, Unix, SQL, Incident Management, Service Now, workforce Management, Google analytics,Data Visualization, advance Excel, Tableau, Power BI

**Client: Anthem INC March 2020 – October 2021**

**Role: Data Analyst | Dallas, TX**

**Responsibilities:**

* Working with SMEs, Business Analysts and BI Technology team to understand data requirements.
* Working with APD, MEDS, Managed Care, Claims Data Warehouse on Medicaid, Medicare, and various other health programs of NY State.
* Developed Dashboards by Data Blending for Claims and Member Eligibility, PACDR data using Tableau Desktop, for quarterly provider plan reports.
* Experienced on Databases like Vertica, Oracle 11g and Healthcare MDW (Metadata Warehouse).
* Proficiently experienced on Advance SQL queries to analyze DML statements. And development of Views, Materialized views, Functions, Indexes, Partitions and used Oracle Hints for performance Tuning.
* Performed Data profiling, Statistical Analysis using R program, Microsoft Excel and developed Dimensional & Fact Tables for STAR & Snowflake Schemas in DWH.
* Involved in Data Migrations, Data Mappings from source to Target
* Designed Data Marts, Data Models for NYS Health, experienced in designing conceptual, Logical, Physical Data Models in Forward and Reverse engineering.
* Developed transformations for HETROGENOUS source structure tables to a single TARGET table using ETL INFORMATICA.
* Working with Business owners in Agile environment on Data Pipeline systems like Job Manager, Deployment Migration Wizard, Data Pumps.
* Developed Complex Stored procedures, Functions, Cursors, DML statements, views, Materialized views on the client data. Using version control with Tortoise SVN tool.
* Developing CRGs, ICD10s, DRGs, APR-DRGs and GROUPER, MMCOR by aggregating client business logics.
* Handling performance tuning with SQL server profiler and Tuning advisor.
* Performed Data Analysis on ALL PAYER Database, MEDS, EP and MCO in Medical claim records, Member Eligibility, Plans, NDCs for Meeting DWH requirements.
* Involved in Installation and connection of R Studio to Oracle 11g, developed Statistical cluster analysis, Dashboards using R Programming
* Knowledge of common technologies e.g., web, mobile, database, API, authentication & authorization, Cloud & server computing, connected IoT devices, embedded software.
* Performed Data Cleansing/Scrubbing like Making unique identifiers, Validation of address fields and Handling Null Values using IDQ.
* Handled Lookup Transformations, Incremental Loads, SCD’s, SQ, Filter, Router, Update, Normalizer, Joiner, Active and Passive ETL Transformations.
* Designed and developed data load jobs using SSIS package and scheduled in SQL Agent.
* Created Grouping, sorting columns and writing expressions according to the business requirements.
* Migrated old data from MS Access and Excel into SQL Server 2008 using SSIS Packages in Business Intelligence Development Studio.
* Worked in an agile team using Scrum methodology and participated in backlog prioritization with product owner and Scrum master.
* Updated Source to Target Mapping (STTM) documents with legacy systems ingredient attributes, Transformation Logic and enumeration values to implement it in APPs.
* Developed several Complex Parameterized, drill through, linked and matrix Reports (daily, weekly, monthly, quarterly and yearly) using SSRS (SQL Server Reporting Services).
* Created SSIS packages (.dtsx files) using SSIS to validate, extract, transform and load data to data warehouse databases and data mart databases.
* Constructed complex SQL queries with sub-queries, inline views as per the functional needs in the Business Requirements Document (BRD).
* Performed Data Analysis and Data Profiling using complex SQL queries.
* Used Power BI, Power Pivot to develop data analysis prototype and used Power View and Power Map to visualize reports.
* Worked with business team and ETL to create source to target mapping (STTM).
* Created stored procedures and functions using Dynamic SQL and T- SQL.
* Extensively worked with SSIS tool suite, designed and created mappings using various SSIS transformations like OLEDB Command, Conditional Split, Lookup, Aggregator, Multicast and Derived Column.
* Designed dynamic SSIS to transfer data crossing different platforms, validate data during transferring, and archived data files for different RDBMS.
* Worked as a developer in creating complex Stored Procedures, SSIS packages, triggers, cursors, tables, and views and other SQL joins for building various applications.
* Created and managed Clustered indexes and non-Clustered indexes and optimized queries using execution plan.
* Provided index tuning as required for performance improvement of the applications (SQL tuning).
* Well experienced in UAT, ETL testing process, BI testing, Data quality and Data reconciliation process.

**Environment:** ER/Studio 14.0, PL/SQL, Oracle 11g, Vertica 6.x, MDW power user, Access 2016, Tableau 19.0, R program 3.4, VBA.

**Client: Telstra May 2018 – Feb 2020**

**Role: Sr. Data Modeler/Data Analyst | Pune, India**

**Responsibilities:**

* Gathering the design requirements from Data Architects, involved in the business meetings to understand the core of the requirements.
* Analysed the requirements based on the logical model provided by the data architects.
* Performed the analysis on the source data which was coming from Oracle, Mainframes and Teradata.
* Based on the analysis I was involved in building the model using the Erwin tool for different layers, such as Staging used by the developers and Data Vault 2.0 used by the reporting team.
* Once the Model is completed for these two environments, was responsible for preparing the Source-to-Target data mapping document.
* Reviewed the Source-to-Target data mapping document with the Data Architects and was the point of contact to the ETL team for the data flow from source to target databases.
* Based on these Staging model and the logical model designed the Physical data model for the target database with all necessary objects and the relationships between them.
* Generated the DDL scripts for all the development and reporting layers using forward engineering technique using the Erwin tool and deployed to the respected databases.
* Use Erwin Enterprise Data Modeler Suite to enforce naming, data type and referential integrity standards, to capture business definition of entities and data element and to maintain versions of the Model Mart.
* Used Erwin for data modeling Perform Data Analysis & Profiling Activities to identify volumes, data quality issues to Solution Designers &ETL Architects.
* Prepared the Source-to-Target data mapping document from the staging are to the target database and review edit with the Architects.
* Worked closely with the ETL team, helping them to understand the mapping document used for their development.
* Was completely involved in the QA migrations and prepared pre-deployment and post-deployment documents.
* Use data modelling tools for documenting and publishing data dictionaries.
* Worked with QA team, to help them understand the requirements for their testing validations.
* Worked in resolving the database related bugs raised by the QA team.
* Worked on the SQL Stored Procs performance tuning issues, ran through the Estimated Explain Plan and resolved the issues.
* Involved in data profiling and data analysis for the target database.
* Performed extensive task which include Data Quality Analysis, Data lineage and Data Standardization data structures, database design, data warehouses, business intelligence/analytic tools, SQL, ETL tools, and data integration methods
* Highly experienced in developing decision support applications with Cognos and other Business Intelligence, ETL and database tool suites
* Designed and Developed Adhoc reports by extracting data from Oracle PCARD Data warehouse using SQL Plus.
* Worked with Waterfall methodology during the beginning of the project then transitioned to Agile methodology
* Handled Source to Target Data Mapping, Technical Specs documentation, and ETL documentations such as Early Data Inventory Designed SSIS Packages to transfer data between servers, load data into database on SQL Server 2005 environment and deploy the data.
* Used Data warehousing for Data Profiling to examine the data available in an existing database.
* Designed and developed matrix and tabular reports with drill down, drill through and drop-down menu option using SSRS.
* Used TOAD, PL/SQL developer tools for faster application design and developments
* Participate in the scrum meeting and represented the team during the meeting
* Working through the phases of SDLC using the Agile methodology
* Reviewed ETL and Business Objects defects and proposed fix for defects as per the scheduled timeframe
* Configured SSIS packages to incorporate slowly changing dimensions for tracking historical data.

**Environment:** Oracle 11.2, IBM Mainframes, Teradata, SQL Server, SQL Developer, Windows XP, ERWIN 9.8, TFS dashboard.

**Client: Cognizant August 2014 – January 2018**

**Role: SQL/SSIS/SSRS Developer | Pune, India**

**Responsibilities:**

* Liaison between Business Users and Technical team in analysis & design.
* Identified opportunities for improving business processes through information systems.
* Conducted JAD sessions with stakeholders, end users and SME, QA Analysts to determine the critical business processes and developed key functional and technical requirements.
* Used SQL queries (select, insert, update, delete, subqueries, joins, etc.) to manipulate the data in the database and generate reports to help the business users for their daily activities.
* Worked on a Data mining project to create a remote central data warehouse for data from multiple applications to use for reporting purposes.
* Strong ability to use Excel - processing large quantities of data, using pivot tables, using conditional formatting, and applying business rules.
* Planned, organized and conducted walkthrough with Business Units and Technical team for common understanding across teams of requirements and sign off.
* Maintained all the stories and tasks in Jira which was used to know the status of requirements.
* Implemented JIRA Safe methodologies in the project.
* Participated in User Acceptance Testing and Deployment.
* Tested the portal and conducted meetings with business users to explain the functionality.
* Conducted training sessions and updated Product Manual upon successful delivery of each sprint.
* Travel onsite to client locations to perform various duties
* Perform a role of onsite coordinator and coordinate between onsite and offshore
* Work in waterfall and ASAP methodology of software development
* Attend meeting with client development and support manager
* Access production support ticket tool and assign ticket to ABAP hot seat and offshore team
* Worked with Data governance, Data quality, data lineage, Data architect to design various models and processes.
* Implemented end-to-end systems for Data Analytics, Data Automation and integrated with custom visualization tools using Informatica, Tableau and business objects
* Designed, developed, tested, and maintained Tableau functional reports based on user requirements.
* Used Informatica Power Center for (ETL) extraction, transformation and loading data from heterogeneous source systems into target database.
* Created mappings using Designer and extracted data from various sources, transformed data according to the requirement.
* Involved in extracting the data from the Flat Files and Relational databases into staging area.
* Developed the Informatica Mappings by usage of Aggregator, SQL overrides usage in Lookups, source filter usage in Source qualifiers, and data flow management into multiple targets using Router.
* Created Sessions and extracted data from various sources, transformed data according to the requirement and loading into data warehouse.
* Imported various heterogeneous files using Informatica Power Center 8.x Source Analyzer.
* Developed several reusable transformations that were used in other mappings.
* Prepared Technical Design documents and Test cases
* Involved in Unit Testing and Resolution of various Bottlenecks came across

**Environment: Informatica, Unit Testing, JIRA, Data Governance**