**Sujana Nalluri**

**Sr. ETL/Informatica IDQ Developer**

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**PROFESSIONAL SUMMARY:**

* Around 8+ **years** of experience in Information Technology including **Data Warehouse/DataMart** development using **ETL/Informatica Power Center and Teradata & Informatica Power exchange and basic knowledge in Informatica Data Quality (IDQ) 10.1/9.6.1 across various industries such as Healthcare, Banking, Insurance, Pharmaceutical, Finance.**
* Experienced in leading, support and maintenance of **ETL** applications in production environment.
* Extensive Database experience using **Oracle, MS SQL Server SQL, PL/SQL, and PostgreSQL**.
* Having strong Data Warehousing work experience using Informatica Power Center Client tools - **Repository Manager, Designer, Workflow Manager, and Monitor**.
* Conducted quantitative analyses on financial statements, internal risk ratings and briefed senior leadership about the findings along with the forecast information.
* Created and delivered presentations to various line of business (LOB) teams regarding the status and key decisions regarding their LOB client performances.
* Worked on rescoring financial ratios & derivatives for credit risk model development & redesign.
* Strong experience working with **Enterprise Data Warehouse (EDW)Frameworks** and direct experience with BI or DW projects over the full development lifecycle.
* Experience in handling Informatica Power Center for **ETL extraction, transformation and loading** into target Data warehouse.
* Strong in Data warehousing concepts, dimensional **Star Schema, Snowflake Schema** methodologies, slowly changing Dimensions (**SCD Type1/Type2**).
* Extensive experience in creation of complex **ETL mappings, mapplets and workflows** using Informatica Power Center to move data from multiple **sources into target** area.
* Used **Mapplets** and Reusable Transformations to prevent redundancy of transformation usage and maintainability.
* Information Technology with Expertise in Data modeling for Data Warehouse/Data Mart development, Data Analysis for **Online Transaction Processing (OLTP) and Data Warehousing (OLAP**)/Business Intelligence (BI) applications.
* Excellent data-analysis skills and ability to translate Transformation logic into Mappings for ETL Process and maintaining the Repositories and Servers.
* Involved in **performance tuning** is to optimize session performance by eliminating performance bottlenecks to get a better acceptable ETL load time.
* Have involved to schedule the jobs using Control M and monitor the jobs in workflow monitor.
* Knowledge on **Teradata** Utility scripts like Fast Load, Multiload to load data from various source systems to Teradata.
* Experience in **Postproduction support,** handling new enhancements and customer interaction.
* Experience in End-to-End Data warehouse Development, Performance Tuning, **Optimization of SQL**, and **Production Support**.
* Extracted data from the databases (**Oracle, SQL Server, Flat files, and Teradata**) using Informatica to load it into a single data warehouse repository.
* Extensive experience in **web development, ETL and reporting** technologies.
* Well versed in all phases of software development life cycle and involved in creating Technical Design Documents (TDD), **Mapping Sheets** and **Test Case documents**.
* Expertise in **SQL** and Performance tuning on large scale **Teradata**
* Experienced on extracting data from multiple sources like **Teradata, Oracle, SAP BW**, Mainframes, and Flat files and perform the required transformations on the data using **ETL** tools -**Informatica** or **Teradata utility.**
* Communication: Convey problems, solutions, updates and project status to peers, customers, and management. Develop and maintain programs, systems, and user documentation.
* Involved to create estimates and delivery plans for projects.
* Proficient in different project roles such as **designer, developer, and tester**.
* Have Experience in creating ETL design documentation and maintaining overall design document and deliverables.
* Educated team members on Informatica, SQL Server Reporting Services (SSRS) and MS SQL Server.
* Have work experience in **Agile and Waterfall methodologies**.
* Expertise in designing and implementing data integration solutions using Informatica IICS.
* Informatica Cloud Data Integration mapping and task flows to extract and load data between on-premises, **AWS RDS, Amazon S3, Redshift, Azure SQL Data Warehouse and Azure Data Lake Store**; created and configured all kinds of cloud connections and runtime environments with Informatica IICS.
* Having knowledge of **Project Management** skills with the ability to manage multiple projects simultaneously and independently.

**SKILL SET:**

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| --- | --- |
| **ETL Tools** | Informatica Power Center 10.x/9.x (Source Analyzer, Mapping Designer, Workflow Monitor, Workflow Manager, Mainframes), Power Exchange, Informatica Data Integrator, SAP BODS |
| **Datawarehouse and Databases** | PostgreSQL, MS SQL Server, Oracle, and Teradata |
| **Scripting Languages** | Unix |
| **Web Technologies** | Web API (Soap and Rest) |
| **Reporting Tool** | SSRS, Tableau |
| **Ticketing tools** | SVN and JIRA |
| **Cloud Services** | Informatica IICS, Amazon AWS services such as S3 |
| **3rd party tools** | WinSCP, Putty |
| **Scheduling tool** | Control-M |
| **Comparing tools** | Beyond Compare and Notepad++ |
| **MS office** | Excel, Word and PPT |

**EDUCATION:**

* Completed Master’s in Computer Science from University of Southern Mississippi, MS.
* Completed Bachelor’s in Computer Science from Satyabhama University, Chennai.

**WORK EXPERIENCE:**

**Truist – Dallas, TX Feb 2023 – Present**

**Sr. ETL/ Informatica Developer**

**Responsibilities:**

* Requirements gathering, analyze, design, code, test highly efficient and highly scalable integration solutions using **Informatica, Oracle, SQL, Source systems viz**.
* Involved in the technical analysis of **data profiling, mappings, formats, data types, and development** of data movement programs using **Power Exchange** and **Informatica**.
* Developed **ETL mapping** document which includes implementing the data model, implementing the incremental/full load logic and the **ETL methodology**.
* Involved in understanding the Requirements of the End Users/Business Analysts and Developed Strategies for SQL & reporting processes.
* Performed comprehensive analysis on clients/investors statement data and their financial performance to bring more valued information to **mitigate risk**.
* Analyzed **overrides** on credit risk model ratings to **provide insights & trends** on upgrades/downgrades on these risk ratings.
* Derived financial ratios for all the redesigned models and published them on **Teradata views** in both UAT and Production env for downstream teams.
* Developed **mappings** for extracting data from different types of source systems (flat files, XML files, relational files, etc.) into our data warehouse using Power Center.
* Involved in daily business meeting and created **mapping documents** based on the business needs to perform ETL operations.
* Experience working with **IICS transformations** like **Expression, joiner, union, lookup, sorter, filter, normalizer**, and various concepts like macro fields to templatize column logic, smart match fields, renaming bulk fields and more.
* Used **Excel pivot tables** to manipulate **large amounts of data** to perform data analysis, position involved extensive routine operational reporting, **Ad-hoc reporting**, and **data manipulation** to produce routine metrics and dashboards for management.
* Expertise in Developing **Mappings and Mapplets/Transformations between Source and Target using Informatica Designer** Worked in Agile methodology based on onshore-offshore model.
* Creating **User Stories, Product backlogs** and prioritizing them alongside of the Product Owner and Scrum Team through JIRA.
* Experienced **performing testing** on changes in UAT environment before moving them into Production.
* Assisted/Kicked of batches for pulling down financial statement and **running ETL processes** to load data into targets.
* Presented detailed reports about the meaning of gathered data to senior management and **regulators** and help them identify scenarios utilizing modifications in the data.
* Expertise in the concepts of building **Fact Tables, Dimensional Tables**, handling **Slowly Changing Dimensions** and usage of **Surrogate Keys**. Extensive experience in backup and recovery process of **Informatica Repository**.
* Understood and documented the **data sourcing and data flow** using flow charts in Microsoft office utilities like **Word and Visio’s.**
* Involved in business analysis and technical design sessions with business and technical staff to develop **Entity Relationship/data models,** requirements **document, and ETL specifications a**nd dig deep into complex **T-SQL** Query and Stored Procedure to identify items that could be converted to **Informatica Cloud ISD.**
* Develop complex ETL mappings on Informatica 10.x platform as part of the Risk Data integration efforts.
* Developing **ETL procedures** to ensure conformity, compliance with standards and lack of redundancy, translate business rules and functionality requirements into ETL procedures.
* Experience in **Proc SQL joins and Proc SQL set operators** to combine tables horizontally and vertically and proficient in integration of various Data Sources like SAS datasets, Flat and CSV files.
* Produced descriptive **statistics** on **wholesale portfolio** using procedures like Proc Summary, Proc Freq, Proc Means, Proc Univariate
* Developed Dashboards using **Tableau Desktop** for **data visualization and reporting** and presented them to both internal and external stakeholders.
* Extensive **data cleansing** and analysis, using **pivot tables**, formulas (**v-lookup** and others), **data validation**, conditional formatting, and graph and chart manipulation.

**Environment:** Informatica Power Center, Teradata, Tableau Desktop, Tableau Server, Unix, WinSCP, SQL Programming, T-SQL, SAS Enterprise Guide, MS Excel, JIRA.

**Centene – Tampa, FL Oct 2021 - Feb 2023**

**Sr. ETL/ Informatica Developer**

**Responsibilities:**

* Prepared detailed **ETL design documents** explaining the mapping logic in technical as well as Business terminology.
* Involved in installation, configuration, and upgrade of **Informatica 10.4.3 to 10.5.3.**
* End-to-end ETL development of **Data Mart, Data Quality Analysis** to determine cleansing requirements. Designed and developed Informatica mappings for data loads.
* Responsible for **Dimensional Data Modeling**, Understand the business needs and implement the same into a functional database design.
* Collaborate with the architects, leads for the design and data model framework.
* Worked with various levels of software developers to load data into the data warehouse and identify potential problem areas in the source system by **data profiling**.
* Made substantial contributions in simplifying the development and maintenance of ETL by creating **re-usable Mapplets, worklets and Transformation objects**.
* Created complex mappings which involved **Slowly Changing Dimensions**, implementation of Business Logic and capturing the deleted records in the source systems.
* Created **workflows** and **Worklets** with parallel and sequential sessions that **extract, transform, and load** data to one or more targets.
* Have involved to prepare the **mapping design documents**.
* Prepared **SQL scripts** for assessments and extraction of data.
* Created mappings using Designer and extracted data from various sources, transformed data according to the requirement.
* Extensively used **Control-M** for scheduling the workflows and monitoring loads.
* Responsible to monitor the jobs using C**ontrol-M** whether those jobs are succeeded or not.
* Have involved in Comprehensive **monitoring statistics** allow you to quickly assess the health of your Informatica assets.
* In case of any job failures, we will send an email alert to respective parties such as Structure Changes in Source or target level changes or **informatica metadata** schemas dB high usage.
* Have **Written SQL queries with joins, stored procedures, sub queries** based on client requirements.
* Involved in **performance tuning** is to **optimize session performance** by eliminating performance bottlenecks to get a better acceptable ETL load time.
* Have involved identifying the bottlenecks in source, target, and mapping and further to session tuning.
* Involved in **UNIX** scripts creation based on the requirements.
* Have involved to move data from different various **source stages to data warehouse and data mart**.
* Involved to collect the checksum reports using commands and login the servers using **Putty** and **WinSCP**.
* Used **excel to export data** and summarize using **pivot tables and graphs for reporting.**
* Generated **Dashboard** and helped writing **data stories** for client calls and executive deck meetings.

**Environment:** Informatica Power Center, ORACLE, Control M, UNIX, Tableau, WinSCP, Teradata.

**WellCare – Tampa, IL Sept 2019 - Oct 2021**

**Sr. ETL/ Informatica Developer**

**Responsibilities:**

* Interacted with Data Modelers and Business users to understand the requirements and create **impact analysis** of the new ETL on INBOUND and OUTBOUND Jobs.
* Responsible for converting Existing jobs from **SAP BODS** to Informatica with same functionality.
* Developed mappings that can be enabled and run in PDO.
* Created **mapping template** instead of creating a mapping from scratch.
* Parsed high-level design specification to simple **ETL coding and mapping** standards.
* Maintained **warehouse metadata**, naming standards and warehouse standards for future application development Parsing high-level design spec to simple ETL coding and mapping standards.
* Extracted the data from the **flat files and other RDBMS** databases and loaded it into staging area and populated onto Data warehouse.
* Worked on **Oracle SQL Developer** to develop queries and create procedures and packages in Oracle.
* Worked extensively on PL/SQL as part of the process to develop several scripts to handle different scenarios.
* Created Landing, **Stage tables** in development environment and coordinated with DBA to create the same tables in higher environment.
* Implemented ETL programs using **Informatica Power Center** against the Oracle 11g Data Warehouse, applying Oracle database skills including PL/SQL, packages, procedures, indexing and query tuning.
* Designing the technical design specifications and program specification documents for **ETL** jobs.
* Created **ETL mappings** using **Informatica Power Center** to move Data from multiple sources like Flat files, Oracle into a common target area.
* Have used various transformations like **PostgreSQL Transformation, Expression Transformation, Lookup Transformation, Joiner Transformation, Router Transformation, Filter Transformation, Normalizer Transformation, Union Transformation, Update Strategy Transformation and Aggregator Transformation.**
* Strong experience in writing **complex SQL queries** and PostgreSQL stored procedures.
* Proficient with all major PostgreSQL procedural languages **(PL/SQL)** as well as some Oracle PL/SQL and SQL - Server T-SQL
* Implemented **Slowly Changing Dimension Type 1 and Type 2** for inserting and updating Target tables for maintaining the history.
* Involved in all phases of SDLC from **requirement gathering, design, development, testing, Production**, user training and support for production environment.
* Created **mappings** using **Designer** and extracted data from various sources, **transformed** data according to the requirement.
* 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.
* Developed Workflows using **task developer, Worklet designer** anddesigner in **Workflow manager** and monitored the results using **workflow monitor.**
* Have involved to check the job failure issues such as network issues as firewall or connectivity breakage, OS patching related issues and Disk Space issues.

**Environment:** Informatica Power Center, SAP BODS, ORACLE, PostgreSQL.

**US Bank – Minneapolis, MN May 2018 - Aug 2019**

**ETL/ Informatica Developer**

**Responsibilities:**

* Prepared detailed **ETL design documents** explaining the mapping logic in technical as well as Business terminology.
* Responsible for **Dimensional Data Modeling**. Understand the business needs and implement the same into a functional database design.
* Extensively used ETL and **Informatica** to load data from Oracle, CSV, flat filesinto the target database.
* Implemented various Transformations like **Joiner, Aggregator, Expression, Lookup, Filter, Update Strategy, Stored Procedures, and Router** etc.
* Worked on Informatica Power Center tool - **Source Analyzer, Data warehousing designer, Mapping & Mapplet Designer and Transformation Designer.**
* Gathering and analyzing the **requirements** by interacting with Business analysts.
* Developed Drill-through, Drill-down, sub-Reports, Charts, Matrix reports, Linked reports using **SQL Server Reporting Services (SSRS).**
* Created **T-SQL** stored procedures, **functions, triggers, cursors, and tables**.
* Used existing **UNIX shell scripts** and modified them as needed to **process SAS jobs**, search strings, execute permissions over directories etc.
* Responsible for requirement definition and analysis in support of **Data warehousing** efforts and worked on ETL Tool **Informatica** to load data from **Flat Files** to landing tables in **SQL** server.
* Developed shell scripts, **PL/SQL** procedures, for creating/dropping of table and indexes of performance for pre and post session management.
* Designed and developed Dashboards using **Tableau** Service Documents for various products and services.
* Worked with **SSIS** packages involved FTP tasks, **Fuzzy Grouping, Merge, and Merge joining, Pivot** and Unpivot Control Flow Transformations.
* Worked with **Metadata** Manager which uses **SSIS** workflows to extract **metadata** from metadata sources and load it into a centralized metadata warehouse.
* Developed **mappings** to load Fact and Dimension tables, **SCD Type 1 and SCD Type 2** dimensions and **Incremental loading and unit tested** the mappings.
* Day to Day project sheet updated in **time sheet application** and to client.
* Have involved to move data from different various **source stages to data warehouse and data mart**.

**Environment:** Informatica Power Center, SSRS, SQL, PL/SQL, Tableau, UNIX, MS SQL Server, Toad Data Point.

**Hyundai Motors Mar 2017 – Apr 2018**

**ETL/ Informatica Developer**

**Responsibilities:**

* Worked on multiple projects as an **ETL designer and developer**. Extensively used **Informatica Power Center** to develop mappings.
* Interacted with the **Business users and the requirements** team to identify process metrics, various key dimensions, and measures.
* Created **Data mapping documents**. Worked in **Agile methodology**.
* Designed the ETL mappings between sources to operational staging targets, then to the data warehouse using Power center Designer.
* Developed various mappings using Mapping Designer and worked with **Aggregator, Lookup (connected and unconnected), Filter, Router, Joiner, Source Qualifier, Expression, Stored Procedure, Sorter, and Sequence Generator** transformations.
* Worked with testing team to define a **robust test plan** and support them during the functional testing of the application.
* Contribute to **performance tuning and volume testing** of the application.
* Detailed study and **data profiling** of all the underlying information security application systems and understood the information security **data models** and identified and captured the right **metadata** from source systems
* Designed and developed the ETL solution using Informatica to implement **slowly changing dimensions** of Type 2 to populate current and historical data into Dimensions, **ETL solution** validated incoming data and sent notifications when jobs are done.
* Designed and developed **Dashboards** using **Tableau Report** Service Documents for various products and services in Insurance Service Group.
* Generated **ETL Scripts** leveraging parallel load and unload utilities from **Teradata**.
* Complete **Software Development Lifecycle Experience** (**SDLC**) from Business Analysis to Development, Testing, Deployment and Documentation.
* Finalize **Informatica data integration processes** for the client system. With the major responsibilities of **Informatica** defect fix, Unit testing, **Informatica** mapping and system performance tuning, Informatica workflow recreate and combine with UNIX shell script to automate **ETL systems.**

**Environment:** Informatica Power Center, DB2, IICS, Teradata, MS SQL Server, PL/SQL, UNIX, Tableau.

**Accenture May 2015 - Feb 2017**

**Informatica Developer**

**Responsibilities:**

* Have involved in Gather, analyze, and formalize user’s **business requirements** and processes, evaluate on feasibility of implementation, and manage scope of project.
* Involved in **Migration of Informatica workflows/mappings** from development region to Test and Production Environments.
* Created parameters and variables for **incremental data loading** effectively using Informatica workflow manager.
* Handle application's change requests by Customizing **Informatica workflows/Mappings**, **Oracle** **Views/SP/Materialized Views**.
* Have used different types of transformations in mappings such as **Expression, Router, Update Strategy, Lookup, Filter, Sorter and Join** etc.
* Developed **Informatica Cloud Data Integration mapping** and task flows to exact and load data between on-premises, AWS RDS, Amazon S3, Redshift, **Azure SQL Data Warehouse and Azure Data Lake Store**; created and configured all kinds of cloud connections and runtime environments with Informatica IICS.
* Created **Salesforce connections**, Implemented Salesforce business process with **Informatica IICS data** Integration.
* Operated AWS console to configure services and configurations.
* Developed **Redshift queries and RDS queries** to confirm data is loaded correctly.
* Scheduled and monitored sessions using **Informatica Workflow Manager.**
* Have Created **Reusable and Non-Reusable** sessions.
* Have Created tables, Views, and Stored Procedures and written **SQL queries with joins**, sub queries based on client requirements.
* Involved in **Deploying the Application** from one server to another server and Resolved On fixing bugs in UAT and LIVE Environment.
* Have Done **Unit Testing, Debugging** and Resolved bugs.
* Day to Day project sheet updated in **timesheet** application and to client.
* Have worked on Fixing bugs reported and working on enhancements and change requests.
* Have worked on **formatting SSRS reports** using the Global variables and expressions.
* Have created well-formed and Web-based Reports for **Micro-Finance Related Documents** using SSRS.
* Have worked on Modifying Existing Reports and Procedures as per Client Requirements.
* Have worked on formatted reports for various Output formats as requested by the management using SSRS.­­
* Have Created datasets using **stored procedures and reports** using multi value parameters for SSRS.

**Environment:** Informatica Power Center 9.6.1, Business Intelligence (SSRS), Oracle, Toad Data point, MS Excel, JIRA, Autosys, Flat files, SQL \*Loader, PL/SQL, XML, Unix Shell Scripts.