**PUJITHA MK**

**Sr. ETL Informatica Developer**

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**PROFESSIONAL SUMMARY:**

* Around 9 years of IT experience as an ETL Developer in the Analysis, Design, Development, Testing and Implementation of business application systems for Health care, Pharmaceutical, Financial, Telecom and Manufacturing Sectors.
* Strong experience in the Analysis, design, development, testing and Implementation of Business Intelligence solutions using Data Warehouse/Data Mart Design, ETL, OLAP, BI, Client/Server applications.
* Strong Data Warehousing ETL experience of using Informatica 10.5/9.1/8.6.1/8.5/8.1/7.1 PowerCenter Client tools - Mapping Designer, Repository manager, Workflow Manager/Monitor and Server tools, Informatica Server, Repository Server manager.
* Expertise in Data Warehouse/Data mart, ODS, OLTP and OLAP implementations teamed with project scope, Analysis, requirements gathering, data modeling, Effort Estimation, ETL Design, development, System testing, Implementation and production support.
* Extensive testing ETL experience using Informatica 10.5/9.1/8.6.1/8.58.1/7.1/6.2/5.1 (Power Center/ Power Mart) (Designer, Workflow Manager, Workflow Monitor and Server Manager) Teradata and Business Objects.
* Strong experience in Dimensional Modeling using Star and Snow Flake Schema, Identifying Facts and Dimensions, Physical and logical data modeling using Erwin and ER-Studio.
* Expertise in working with relational databases such as Oracle 11g/10g/9i/8x, SQL Server 2008/2005, DB2 8.0/7.0, UDB, MS Access and Teradata.
* Experience working with Informatica IICS tool effectively using it for Data Integration and Data Migration from multiple source systems in Azure Sql Data warehouse.
* Experience in creating data lakes using AWS Glue with data sources such as S3, DynamoDB, and Redshift.
* Strong experience in Extraction, Transformation and Loading (ETL) data from various sources into Data Warehouses and Data Marts using Informatica Power Center (Repository Manager, Designer, Workflow Manager, Workflow Monitor, Metadata Manger), Power Exchange, Power Connect as ETL tool on Oracle, DB2 and SQL Server Databases.
* Extensive experience in developing Stored Procedures, Functions, Views and Triggers, Complex SQL queries using SQL Server, TSQL and Oracle PL/SQL.
* Good understanding of AWS components like EC2, S3 and EMR
* Experience in all phases of Data warehouse development from requirements gathering for the data warehouse to develop the code, Unit Testing and Documenting.
* Extensive experience in writing UNIX shell scripts and automation of the ETL processes using UNIX shell scripting.
* Proficient in the Integration of various data sources with multiple relational databases like Oracle11g /Oracle10g/9i, MS SQL Server, DB2, Teradata, VSAM files and Flat Files into the staging area, ODS, Data Warehouse and Data Mart.
* Experience in using Automation Scheduling tools like Autosys and Control-M.
* Worked extensively with slowly changing dimensions.
* Hands-on experience across all stages of Software Development Life Cycle (SDLC) including business requirement analysis, data mapping, build, unit testing, systems integration and user acceptance testing.
* Excellent communication and presentation skills, works well as an integral part of a team, as well as independently, intellectually flexible and adaptive to change.

**TECHNICAL SKILLS:**

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| **ETL SKILLS** | Informatica Power Center 9.1/8.6/8.5/8.1/7.1 (Designer, Workflow Manager, Workflow Monitor, Repository manager and Informatica Server), Informatica Intelligent Cloud Services (IICS) AWS Glue |
| **Hadoop Eco Systems** | Hadoop, HIVE, Kafka, Spark, AWS Glue, AWS Redshift |
| **Business Intelligence** | SQL Server Reporting Services (SSRS) 2014/2012/2008/2005, SQL Server Analysis Services (SSAS) 2014/2012/2008/2005. |
| **Data Bases** | Oracle 11g/10g/9i/8i/8.0, DB2, MY SQL, Teradata, Access. |
| **Data Modeling tools** | Erwin, MS Visio, Star Schema Modeling, Snow Flake Modeling |
| **Languages** | SQL, PL/SQL, TSQL, C++, Python, UNIX Shell Scripting. |
| **OLAP Tools** | Cognos 8.0/8.1/8.2/8.4/7.0/, Business Objects XI r2/6.x/5.x, OBIEE 10.1.3.4/ 10.1.3.3 |
| **Testing Tools** | QTP, Win Runner, Load Runner, Quality Center, Test Director |
| **Methodologies** | Agile, Waterfall. |
| **Operating Systems** | UNIX, Windows 2008/2007/2005/NT/XP, MS-DOS, Solaris |

**PROFESSIONAL EXPERIENCE:**

**Client: THP – Canton, MA. April 2021 to Present**

**Role: Sr. ETL Informatica Developer**

**Responsibilities:**

* Used Informatica PowerCenter for (ETL) extraction, transformation and loading data from heterogeneous source systems into target database.
* Created applications connections like connection for database, Salesforce service cloud, salesforce sales cloud salesforce financial service cloud and many portals.
* Created mappings using Designer and extracted data from various sources, transformed data according to the requirement.
* Understand the complex Java/Python scripts to write the mapping rules.
* Integrated Informatica Data Quality (IDQ) with Informatica PowerCenter and Created POC data quality mappings in Informatica Data Quality (IDQ) tool and imported them into Informatica power center as mappings, Mapplets.
* Created UNIX shell scripting for automation of ETL processes.
* Understand the complex PL/SQL queries, Python scripts and developed the mappings.
* Conducted rigorous regression testing to verify the new code does not missing and existing functionality of the Java/Python code.
* Used UNIX for check in's and checks outs of workflows and config files in to the Clearcase.
* Improving the performance of the ETL by indexing and caching.
* Parameters, Mapping Variables, Mapplets & Parameter files in Mapping Designer using both the Informatica PowerCenter and IDQ.
* Involved in extracting the data from the Flat Files and Relational databases into staging area.
* Mappings, Sessions, Workflows from Development to Test and then to UAT environment.
* Developed Informatica Mappings and Reusable Transformations to facilitate timely Loading of Data of a star schema.
* Involved in writing views based on user and/or reporting requirements Involved in Design, develop and Test process for validation and conditioning data prior to loading into the EDW Created a generic email notification program in UNIX that sends the emails to the production support team if there are any duplicate records or error in load process.
* Handled both on premise and on Cloud (AWS) ETLs
* Involved in writing SQL Stored procedures and Shell Scripts to access data from various sources.
* Assisted other ETL developers in solving complex scenarios and coordinated with source systems owners with day-to-day ETL progress monitoring.
* Experience integrating data using IICS for reporting needs
* Imported various heterogeneous files using Informatica PowerCenter 9.6 Source Analyzer.
* Coordinated with Autosys team to run Informatica jobs for loading historical data in production.
* Documented Data Mappings/ Transformations as per the business requirement.
* Created XML, Autosys JIL for the developed workflows.
* Migration of code from development to Test and upon validation to Pre-Production and Production environments.

**Environment:** Informatica PowerCenter 10.1/9.6, Informatica Power Exchange 10.1/9.6, Informatica IICS, Data Quality, SQL Server 2008, Shell Scripts, Teradata 14, SQL, AWS, Oracle 11g PL/SQL, UNIX, Toad, Tableau, SQL Developer, HP Quality Center, Cognos 9, T-SQL, MS Access, Windows.

**Client: T-Mobile, NJ. Oct 2018 to Feb 2021**

**Role: Sr. ETL Informatica Developer**

**Responsibilities:**

* Involved in all phases of SDLC from requirement gathering, design, development, testing, Production, user training and support for production environment.
* Responsible for developing and maintaining ETL jobs, including ETL implementation and enhancements, testing and quality assurance, troubleshooting issues and ETL/Query performance tuning
* Designing, developing, maintaining and supporting Data Warehouse or OLTP processes via Extract, Transform and Load (ETL) software using Informatica.
* Translate business requirements into ETL and report specifications. Performed error handing using session logs.
* Worked on Power Center Tools like designer, workflow manager, workflow monitor and repository manager.
* Involved in creating database objects like tables, views, procedures, triggers, and functions using T-SQL to provide definition, structure and to maintain data efficiently.
* Done Code reviews of ETL and SQL processes. Worked on upgrading Informatica from version 9.x to 10.x.
* Convert specifications to programs and Integration Data Mapping for ETL Informatica IICS environment.
* Worked with PowerCenter Designer tools in developing mappings and Mapplets to extract and load the data from flat files and Oracle database.
* Designed Data warehouse ETL Informatica test cases for source and target DB validation.
* Created profiles and score cards for the users using IDQ.
* Created mapping to load data into AWS S3 bucket using Informatica S3 connector also populated data into Snowflake from S3 bucket using complex SQL query.
* Worked extensively with mappings using expressions, aggregators, filters, lookup, joiners, update strategy and stored procedure transformations.
* Implemented BIG DATA for a project using Hadoop working closely with the vendor team to understand the behavior of source data and please and parse the XML files accordingly using Hadoop and load them into HIVE for data analytics.
* Create UNIX shell scripts to fulfil various business functionalities.
* Experience working with SSIS, SQL Server and MySQL on Amazon Web Services (AWS)
* Developed mappings using Informatica Power Center Transformations - Lookup (Unconnected, Connected), Filter, Expression, Router, Joiner, Update Strategy, Aggregator, Stored Procedure, Sorter, and Sequence Generator.
* Effectively used Informatica parameter files for defining mapping variables, workflow variables, FTP connections and relational connections.
* Loaded diverse types (Structured, JSON, XML, flat files etc.) into the Snowflake schema, Star schema data warehouse.
* Worked on Informatica PowerCenter tool - Source Analyzer, Data Warehousing Designer, Mapping Designer & Mapplets, and Transformations.
* Worked with various complex mapping, designed slowly changing dimension Type1 and Type2.
* Performance tuning of the process at the mapping level, session level, source level, and the target level.
* Performed Relational Data Modeling, ER Diagrams (forward & reverse engineering), dimensional modeling, OLAP multidimensional Cube design & analysis, define slowly changing dimensions and surrogate key management.
* Utilized Informatica IDQ 10.0 to complete the initial data profiling and matching/removing duplicate data for the process of data migration from the legacy systems to the target Oracle Database.
* Resolving the tickets based on the priority levels raised by QA team.
* Involved in Preparing Detailed design and technical documents from the functional specifications Prepared low level design documentation for implementing new data elements to EDW.
* Developed Parameter files for passing values to the mappings for each type of clients.
* Executed sessions, sequential and concurrent batches for proper execution of mappings and set up email delivery after execution.
* Developed Oracle Structured Query Language SQL test scripts from test procedures and executed them Used SQL queries to retrieve data from tables and to perform back end testing thru SQL server
* Created weekly project status reports, tracking the progress of tasks according to schedule and reported any risks and contingency plan to management and business users.

**Environment:** Informatica PowerCenter 10.x/9.x, Informatica Power Exchange 10.1, IDQ, IICS R29, Tableau10.0, Linux, SQL, PL/SQL, TOAD, Ab Initio, Snowflake IICS Data Warehouse, Teradata 15, AWS S3 Bucket, Azure, SQL Server 2012, ORACLE 12c, Control M, Shell Scripting, JSON, SQL Loader, Windows, UNIX**.**

**Client: Unilever - India May 2017 to Aug 2018**

**Role: ETL Developer**

**Responsibilities:**

* Worked with the business team to gather requirements for projects and created strategies to handle the requirements.
* Designing custom reports via SQL Reporting Services to align with requests from internal account teams and external Clients.
* Designed and implemented ETL mappings and processes as per the company standards, using Informatica PowerCenter.
* Applied slowly changing Dimensions Type I and Type II on business requirements.
* Worked on project documentation which included the Functional, Technical and ETL Specification documents.
* Designed and implemented ETL mappings and processes as per the company standards, using Informatica PowerCenter.
* Developed stored procedures (procedure and functions) using PL/SQL and driving scripts using Unix Shell Scripts
* Extensively worked on complex mappings which involved slowly changing dimensions.
* Optimized the source queries in order to control the temp space and added delay intervals depending upon the business requirement for performance.
* Involved in designing the Data Mart models with Erwin using Star schema methodology.
* Extensively worked on performance tuning and also in isolating header and footer in single file.
* Used repository manager to create repository, user's groups and managed users by setting up privileges and profile
* Developed several complex mappings in Informatica a variety of PowerCenter transformations, Mapping
* Worked on developing Change Data Capture (CDC) mechanism using Informatica Power Exchange for some of the interfaces based on the requirements and limitations of the Project.
* Created and maintained the Shell Scripts and Parameter files in UNIX for the proper execution of Informatica workflows in different environments.
* Managed performance and tuning of SQL queries and fixed the slow running queries in production.
* Provided 24x7 production support when necessary.
* Created batch scripts for automated database build deployment.

**Environment:** Informatica PowerCenter 9.6, Informatica Power Exchange 9.6, AWS, Azure, Oracle 11g, SQL, Erwin 5, UNIX CRONTAB, Control-M, Remedy Incident Tool, Tableau, Ultra Edit, Teradata 13.

**Client: Johnson & Johnson - India Nov 2015 to Apr 2017**

**Role: Informatica Developer/Data Analyst**

**Responsibilities:**

* Interacted with business analysts, data architects, application developers to develop a data model.
* Using Informatica PowerCenter Designer analyzed the source data to Extract & Transform from various source systems (oracle 10g, DB2, SQL server and flat files) by incorporating business rules using different objects and functions that the tool supports.
* Analyze business requirements, technical specification, source repositories and physical data models for ETL mapping and process flow.
* Implemented slowly changing dimensions (SCD) for some of the Tables as per user requirement.
* Documented Informatica mappings in Excel spread sheet.
* Tuned the Informatica mappings for optimal load performance.
* Have used BTEQ, FEXP, FLOAD, MLOAD Teradata utilities to export and load data to/from Flat files.
* Created and Configured Workflows and Sessions to transport the data to target warehouse Oracle tables using Informatica Workflow Manager.
* Documentation of Technical specification, business requirements, functional specifications for the development of Informatica Extraction, Transformation and Loading (ETL) mappings to load data into various tables.
* Developed PL/SQL programming that included writing Stored Procedures, Packages, Functions and Database Triggers.
* Created procedures to drop and recreate the indexes in the target Data warehouse before and after the sessions.
* Effectively understood session error logs and used debugger to test mapping and fixed bugs in DEV in following change procedures and validation.
* Raised change requests, analyzed and coordinated resolution of program flaws and fixed them in DEV and Pre-Production environments, during the subsequent runs and PROD.
* Working with large amounts of data independently executing data analysis, utilizing appropriate tools and techniques (Interpreting results and presenting them to both internal and external client.
* Have generated reports using OBIEE 10.1.3 for the future business utilities.
* Scheduled jobs for running daily, weekly and monthly loads through control-M for each workflow in a sequence with command and event tasks.

**Environment:** Informatica 9.5.0, Oracle 10g, SQL server 2005, SQL, T-SQL, PL/SQL, OBIEE 10.1.3, Toad, Erwin4.x, Unix, Tortoise SVN, Flat files.

**Client: Capgemini - India June 2012 to Oct 2015**

**Role: Informatica Developer**

**Responsibilities:**

* Extracted Data from Different Sources by using Informatica.
* Used Informatica client tools Source Analyzer, Warehouse designer, Mapping designer and Mapplets Designer.
* Extracted data from different sources of databases. Created staging area to cleanse the data and validated the data.
* Designed and developed complex Aggregate, expression, filter, join, and Router, Lookup and Update Transformation rules.
* Developed schedules to automate the update processes and Informatica sessions and batches.
* Analyze, design, construct and implement the ETL jobs using Informatica.
* Developed mappings/Transformations/Mapplets by using mapping designer, transformation developer and Mapplets designer in Informatica Power Center 6.1.
* Developed Shell scripts to setup runtime environment, and to run stored procedures, packages to populate the data in staging tables.
* Created Users, user groups, database connections and managed user privileges using supervisor.
* Developed schedules to automate the update processes and Informatica sessions and batches.
* Analyze, design, construct and implement the ETL jobs using Informatica.
* Developed mappings/Transformations/Mapplets by using mapping designer, transformation developer and Mapplets designer in Informatica Power Center.
* Developed Shell scripts to setup runtime environment, and to run stored procedures, packages to populate the data in staging tables.
* Created Users, user groups, database connections and managed user privileges using supervisor.

**Environment:** Informatica Power Center 6.1., Oracle, MS SQL SERVER, SQL, PL/SQL, SQL Loader, UNIX Shell Script.

**Professional Qualifications**

**Bachelor of Technology** from JNTU University, Kakinada in the year 2011.