**Pragna Gummadi**

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**Professional Summary:**

* Overall 8+ years of experience in Informatica Power Center, Data Warehouse, Data modeling and responsible for Data Extraction, data transformation and data loading from multiple sources into the data warehouse.
* Experience in understanding SDLC (Software Development Life Cycle), analyzing business requirements, design and development, Data Modeling, Implementation and testing of Data warehousing.
* Experience with Erwin, strong knowledge of Relational database modeling and Dimensional database modeling concepts, star/snowflake schemas implementation, good knowledge on OLTP and OLAP systems and expertise in integrating various source’s- Oracle, Teradata and Flat files.
* Designing Star schemas & Snowflake Schemas for OLAP Systems and extensive understanding of Transactional and Dimensional Data Modeling concepts.
* Work experience has given me the opportunity to acquire an in-depth knowledge of the Retail, Healthcare, Banking and Tax domains, implementation techniques, system development as well as building customer relationship skills.
* Expertise in **ETL** methodology in a corporate wide ETL Solution using **Informatica Power Center 9.6/9.1/8.6/8.1/7.1,** Oracle 11g/10g applications, Teradata,SQL Server, SQL and **PL/SQL.**
* Extensive experience in developing mapping transformations, workflows, worklets, mappings, Mapplets, Sessions, Tasks, schedule Workflows and sessions, slowly changing Dimensions.
* Proficient in Implementation of Data warehouse from Requirement gathering, Data Analysis, data modeling, Application Design, development and data cleansing.
* Good experience in Teradata using queries and utilities like BTEQ, MLOAD, FLOAD and TPUMP and Fast Export.
* Experience in creating efficient High and low level ETL documents.
* Worked on Informatica
* Worked on Effort Estimation, coordination with various teams, worked with Clients, Users, Onsite team and offshore team and time management in line with the deadlines.
* Good experience in Debugging and performance tuning of sources and SQL performance tuning, targets, mappings, transformations and sessions.
* Experience in Task Automation using UNIX Shell Scripts, Job scheduling and communicating with Server using pmcmd, pmrep to schedule and control sessions, batches and repository tasks.
* Excellent analytical, problem solving and communication skills with ability to interact with individuals at all levels.

**Technical Summary:**

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| Data Modeling Tool: | Erwin 7.1.3/6.0 |
| Data Warehouse/ETL Tool: | Informatica Power Center 9.6/9.1/8.6/7.1 (PC and IDQ). |
| Databases: | Oracle 11g,10g,9i/8i/7.x, Teradata 15/14/13, SQL Server |
| Languages: | PL/SQL, SQL, UNIX shell scripting, C, C++. |
| Web Tools: | HTML, XML. |
| Tools: | TOAD, SQL plus, SQL Assist, Data Ladder, Tableau |
| Operating Systems: | Microsoft 95/98/2000/XP/NT, UNIX AIX |

**Professional Experience:**

**Client: Liberty Mutual – NH Jan ’18 – Till Date**

**Role: Sr. ETL Developer**

**Project: Profitability Analytics (PA)**

**Responsibilities:**

* Involved in gathering requirements from client through JIRA board on daily basis.
* Analyze requirement and Database object involved in Data migration.
* Migrate and integrate data from multiple source systems like salesforce, oracle then transform and load into PA Teradata data warehouse which is used by downstream reporting team.
* Understand business specification and create 490 Mapping and design document .
* Develop ETL mappings implementing business rules provided by business using transformations like Expression, Lookup, Joiner, Update strategy. Create Mapplets for re-usability of logic.
* Create Incremental load process using SCD type 2 technique. Developed partitions for large volume data.
* Implement mapping, create sessions, worklets and workflows in DEV.
* Debug existing mapping to resolve incident tickets created by business.
* Schedule jobs using scheduler. Testing in Dev and Test with test data.
* Involved in Rewriting Informatica mapping logic on Teradata by implementing Database Views. Consolidate multiple views of a business line into a single view which is pulled as source in mapping to improve performance.
* Dump XML to gather mapping derivations and rewrite into SQL code as per Liberty Mutual standards. Used source PDO on Teradata and worked with different Teradata load operators.
* Write minus queries to test data between Teradata View and ETL Mapping targets.
* Create parameter files for each business line like Auto, Workers comp, Property etc.
* Check session and workflow logs for errors during execution. Deploy code to higher environments UAT and Prod as per guidelines.
* Participate in Agile scrum discussing blockers for the day, dependencies on task, status updates, release planning, update JIRA Kanban board tasks.

**Environment: Informatica Power Center 9.6, Teradata 15.0,** Oracle 11g, Erwin Data modeler.

**Client: Town North Bank- NA Feb ‘16 – Jan ‘18**

**Role: Informatica Developer**

* Worked with business analysts to analyze the functional requirements parsing high-level design spec to simple ETL coding and mapping standards.
* Designed complex mappings involving target load order and constraint based loading.
* Uploaded data from operational source system (Oracle 9i) to Teradata.
* Worked with Teradata utilities like BTEQ, Fast Load and MLoad and Tpump and Teradata Parallel transporter.
* Wrote UNIX shell scripts to work with flat files, to create pre-and post-session commands and scheduling workflows.
* Worked with DBAs and Data Architects in planning and implementing appropriate data partitioning strategy for Enterprise Data Warehouse.
* Extracted and loaded data using Power Exchange for Netezza tables.
* Developed stored procedures, database triggers and SQL queries where needed.
* Designed the ETL processes using Informatica to load data from DB2, Oracle, SQL Server, Flat Files, XML Files and Excel files to target Oracle Data Warehouse database.
* Extensively used Xml source qualifier, Mid-stream XML parser transformation, Mid-stream XML generator transformations, as our main source type was XML Files.
* Extensively used Dynamic Lookup transformation and Update Strategy transformation to update slowly changing dimensions.
* Creation of data mart and extracted data from Oracle, using Informatica Power Centre
* The Load Ready File is loaded into Teradata Table using Teradata utilities like Fast load Multiload, Bteq, and Tpump connections. The Load Date and Load Time are also captured in the Teradata table.
* Architected and developed Fast Load and MLoad scripts in control file, developed BTEQ scripts to process the data in staging server.
* Written SQL overrides in source qualifier according to the business requirements.
* Used workflow manager for creating, validating, testing and running the Sequential and Concurrent batches and sessions and scheduling them to run at specified time with required frequency.
* Created and used different tasks like Decision, Event Wait, Event Raise, Timer and E-mail etc.
* Using Metadata manger to find out the relations and load different tools like Informatica, DB2, Oracle.
* Responsible for Error Handling and bug fixing.

**Environment:** **Informatica Power Center 8.6.1,** **Teradata 13.0**, Oracle 11g, Mainframe DB2, XML.

**Client: Ohio Department of Taxation- Columbus, OH Jan ’15 – Jan ‘16**

**Role: Sr. ETL Developer**

**Project: Fraud Analytics.**

**Responsibilities:**

* Involved in gathering requirements from business users on day to day basis.
* Worked on analyzing systems data, stored on an enterprise data warehouse (EDW)
* Developed ad-hoc queries on Teradata system for summarizing business operations and trends.
* Developed number of complex **mappings** using lookups (connected –unconnected), Source Qualifier, Router, Filter, Expression, Aggregator, Joiner, normalizer, sequence generator, Update Strategy, mapplets to implement the business logic and load the data incrementally.
* Developed **ETL** and Data Quality mappings to load and transform data from source to DWH using **Informatica Power Center 9.6 and IDQ.**
* Prepared **ETL** mapping specification documents and Design Documents.
* Created **ETL** **workflows**, sessions and mappings.
* Scheduling jobs, creating **Workflows** variables or parameters dynamically, create and run **Workflow** task, create Workflow parameter files etc.
* Design Dimension and Fact tables using **Erwin data modeler**.
* Developed Teradata utilities to load external file data to custom table space for data mining.
* Created cypher queries for real-time link analysis to establish patterns between data sets.
* Identified data correlations across vendor data and business data using data matching tool.
* Worked on **BTEQ** scripts to push data into teradata tables.
* Created job scripts using **Teradata Parallel transporter(TPT)** from Files or Database, developed data flows through multiple instances of UPDATE operators to update tables.
* Developed **Fast Load** scripts to Load external source data into warehouse for analysis.
* Worked on **Tpump** and **Multi Load** as per Customer requirement to increase the performance while updating records.
* Automation and scheduling of **UNIX** shell scripts and Informatica sessions and batches using Autosys scheduling tool.
* Created a minimum viable product(MVP) data model for statistical insight to business users:

1. Identified data locations and variables, created draft data architecture and data flow.
2. Developed complex queries on DB2 OLTP database and pushed the results to Teradata OLAP database for analytics
3. Connected Teradata database to create Tableau pages and created rules for alerts.

* Customized data models and tuned SQL queries for better database performance.
* Worked on Version control software IBM clear case to update statistical models, queries and documentation.
* Performed multidimensional analysis of business data, interpretation results and generate trend analysis or predictive analysis.
* Understanding data behavior for real time analytics on IBM DB2 transactional system for statistical analysis.
* Worked on code optimization, end to end testing with all possible test case scenarios.
* Part of stand-up meetings, sprint retrospective and planning as part of agile software development methodology.
* Provided documentation for business requirements, data mapping, and production release.
* Re-write existing scripts as part of discovery program for business taxes like sales, use etc.,
* Developed dashboards on Tableau for business users, to identify fraud patterns in tax filings season to release refunds and pulled production data from IBM DB2 to Teradata database using parallel transporter, worked on BTEQ scripts to push data into Teradata tables.

**Environment: Informatica Power Center 9.6, Teradata 15.0,** IBM DB2, Tableau, Data Ladder,

IBM clear case, Erwin Data modeler.

**Client: CVS Health- India Jan ’12 - June ‘14**

**Role: Sr. ETL Developer**

* Involved in Plan, Document, Develop and ETL development for the company’s data warehouse.
* Understanding of the Business Requirements Documents (BRDs), High Level Design Documents and High-Level Test Cases – which are inputs for us to come up with Low Level Design phase deliverables.
* Developed number of complex mappings using lookups (connected –unconnected), Source Qualifier, Router, Filter, Expression, Aggregator, Joiner, normalizer, sequence generator, Update Strategy, Transactional Control, SQLT Transformations, mapplets to implement the business logic and load the data incrementally.
* Data loading from EDI source to claim data mart which includes Design, data analysis, development, debugging and testing of all components.
* Develop and deploy ETL job workflow with reliable error/exception handling and rollback framework.
* Used Teradata Manager Tools for monitoring and control the system. Worked with Teradata 12 utilities like BTEQ, Fast Load, and Multi Load and Query man.
* Updated numerous Bteq/ Sql scripts, making appropriate DDL changes and completed unit and system test.
* Developed Fast Export and MLoad scripts in control file, developed macros and Stored procedure to extract data, BTEQ scripts to take the date range from the database to extract data.
* Worked with Teradata utilities like BTEQ, Fast Load and Multiplied and Tpump and Teradata Parallel transporter.
* Used advanced concepts of Informatica like PDO, TPT. Used full PDO on Teradata and worked with different Teradata load operators.
* Used BTEQ and SQL Assistant (Query man) front-end tools to issue SQL commands matching the business requirements to Teradata RDBMS.
* The Load Ready File is loaded into Teradata Table using Teradata’s ODBC/Fast, Multi load connection. The Load Date and Load Time are also captured in the Teradata table
* Developing the SQL scripts in TOAD and creating Oracle Objects like tables, materialized views, views, Indexes, sequences, synonyms and other Oracle Objects.
* Handled slowly changing dimensions of Type1, Type2 to populate current and historical data to dimensions and fact tables in the Data Warehouse.
* Debugged mappings by creating logic that assigns a severity level to each error and sending the error rows to error table so that they can be corrected and re-loaded into a target system.
* Created/modified various Informatica Mappings and workflows for the successful migration of the data from various source systems to oracle which meets the business requirements for reporting and analysis.
* Worked on Data Integration of web application to client’s Data warehousing and data cleansing.
* Created dynamic PL/SQL procedures to load data from staging area to the data marts.
* Develop Logical and Physical Data Model using Erwin, followed Star Schema to build Reporting data mart.
* Used PMCMD for calling Batches and Sessions from the Command mode also embed the same in UNIX shell scripts.
* Scheduled sessions and batches on Informatica server using Informatica server manager.
* Migrated the ETL code across the environments (Dev, SIT, UAT and Prod).
* Documented Mappings, Transformations and Informatica sessions for further maintenance and support.
* Developing the unit test case document and performed various kinds of testing like unit testing, regression testing and system test in Dev, QA environments before deployment.
* Played key role in performance improvement activities like query tuning.
* Performed the data profiling and analysis making use of Informatica Data Quality (IDQ).
* Implement Data Quality Rules using IDQ to check correctness of the source files and perform the data cleansing/enrichment
* Coordinating with the team and interacting with the client for implementation of deliverable.

**Environment:** **Informatica Power Center 9.6(IDQ),** **Teradata 14.0**, PL/SQL, UNIX.

**Client: Fidelity Investments - India Nov’10 - Dec ‘11**

**Role: Sr. ETL Developer**

* Worked with business analysts to identify appropriate sources for data warehouse and to document business needs for decision support for data.
* Involved in processing of Policy, Claims data in dev system.
* Prepared BTEQ scripts to load data from Preserve area to Staging area.
* Worked with SET and MULTISET tables for performance evaluation of the scripts.
* Used utilities of FLOAD, MLOAD, FEXP of Teradata and created batch jobs using BTEQ
* Worked on Teradata SQL Assistant querying the source/target tables to validate the BTEQ scripts.
* Involved in Data migration and Data Integration project to downstream Web application and external data into the data warehouse.
* Performance tuning Informatica by Database partitioning and session partitioning.
* Extensively used Xml source qualifier, Mid-stream XML parser transformation, Mid-stream XML generator transformations, as our main source type was XML Files.
* Imported Metadata from Teradata tables.
* The Load Ready File is loaded into Teradata Table using Teradata’s ODBC/Fast load connection. The Load Date and Load Time are also captured in the Teradata table
* Extensively used Dynamic Lookup transformation and Update Strategy transformation to update slowly changing dimensions.
* Sources like DTS Packages (connections, tasks, and workflows) that can be used to access, transform and manipulate a wide range of sources including text files and relational databases.
* Worked on Version Control in Informatica to maintain multiple versions of an object, control development on the object and track changes.
* A Load Ready File (Flat File) is created from source file (delimited file) after a series of transformations and error handling, this serves as a staging area for cleansing the data. The error file is captured in delimited file.
* Used Session parameters, Mapping variable/parameters and created Parameter files for imparting flexible runs of workflows based on changing variable values.
* Creating BTEQ (Basic Teradata Query) scripts to generate Keys.
* Devised extensive PL/SQL Stored Procedures and Triggers to populate the base tables on daily basis and implementing business rules and transformations
* Involved in Optimizing and Performance tuning logic on targets, sources, mappings, and sessions to increase the efficiency of session and Scheduled Workflows using Autosys.
* Implemented complex mapping such as Slowly Changing Dimensions (Type II) using Flag.
* Designed and developed UNIX shell scripts as part of the ETL process to compare control totals, automate the process of loading, pulling and pushing data from and to different servers.
* Defined the Business Objects Classes and Objects, Created complex Universes and Reports.
* Created the reports using Business Objects functionalities like Queries, Slice and Dice, Drill Down, Master Detail and Formula’s etc.
* Written SQL overrides in source qualifier according to the business requirements.
* Extract the data from truecomp Repository, which is normalized schema, and load into truecomp Data Mart schema, which is star-flake schema. Actuate reports will pull the data from this Data Mart schema.
* Performance tuning of Business Objects Reports which take more execution time.
* Done extensive testing and wrote SQL queries to ensure loading of data, performed unit testing at various levels of ETL, developed and implemented the coding of Informatica mapping.
* Performed database checks and tuned the databases using Teradata Manager.
* Involved in troubleshooting the loading failure cases, including database problems.

**Environment: Informatica Power Center, 9.1,** XML Files, ERwin 4.0/3.5, Oracle 11g, DB2, **Tera**

**Data 13.0**, PL/SQL, Business objects, TOAD, UNIX AIX.

**Client: Duke Energy- India Oct ’09 - Oct ‘10**

**Role: Informatica Developer**

* Understanding the existing business model and requirements, involved in requirements gathering and understanding business needs.
* Responsible for the code build, Unit testing and co-ordinate with QA team during QA and UAT testing.
* Used several transformations like Source Qualifier, Expression, Lookup, Aggregator, Joiner, Sequence Generator, Filter, Router, Java, SQL, Stored Procedure and Update Strategy transformations for complex mappings.
* Created Informatica workflows, Worklets and re-usable sessions.
* Parsing high-level design spec to simple ETL coding and mapping standards.
* Developed mappings with PDO Optimization to leverage scalable Teradata Architecture.
* Extensively used Teradata SQL Assist for SQL Queries, Collecting Stats, Query Band testing etc.
* Developed & configured Control-M job groups and jobs for processing various Informatica workflows as per business process flow.
* Actively participated in the code migration process to QA, UAT and PROD.
* Have participated in exporting the sources, targets, mappings, workflows, tasks etc. And imported into the new Informatica 8.X, tested, reviewed to make sure that all the workflows are Execute as per the Design documents and Tech specs.
* Extensively used XML Source, XML target and XML Parser transformations
* Developing Mapplets and Transformations for migration of data from existing systems to the new system using Informatica Designer.
* Developed stored procedures and functions in PL/SQL using Oracle SQL Developer.
* Created complex Mappings which involved Slowly Changing Dimensions to capture the historical records in the source systems.
* Using Workflow Manager, for creating, Validating, Testing and running the Batches and Sessions and scheduling them to run at specified time.
* Proactively interacting with clients in understanding the requirements and fixing the issues and interacting with off-shore people and Database team if any issues.

**Environment:** Power Center 8.1, Power Exchange 8.1.1, **Teradata 13.0**, Oracle 10g/9i, XML,

Netezza and PL/SQL.

**Client: Aetna Healthcare Networks Inc., India May ’08 –Sept ’09**

**Role: Informatica Developer**

* Analyzed source systems data, business requirements and applied business rules for building a data warehouse, prepared technical Documentation of existing and proposed models.
* Created necessary Repositories to handle the metadata in the ETL process
* Created the Source and Target Definitions in Informatica Power Center Designer, created mappings, sessions and workflows for populating the data into the dimension and fact tables from different source systems.
* Extracted data from various Source IT systems such as Oracle, SQL Server, Files (Products, Customers, Rates and Actuals etc.)
* Created Mapplets for loading reusable control table, configured tasks, and workflows using workflow manager.
* Running the SQL scripts from TOAD and created Oracle Objects like tables, Views, Indexes, sequences and Users. SQL code is written for problem resolution and performance optimization
* Automation and scheduling of UNIX shell scripts and Informatica sessions and batches using Autosys.
* Responsible for error handling using Session Logs, Reject Files, and Session Logs in the Workflow Monitor.
* Used mapping Parameters and Variables to pass the values between sessions.
* Used Lookup, Aggregator, Joiner, Union, Expression, Filter, Update strategy, Sql and Normalizer, Router, Source Qualifier transformations to model various standardized business processes and implement business logic using Informatica.
* Worked on different tasks in Workflow Manager like Sessions, Events raise, Event wait, Decision, E-mail, Command, Worklets, Assignment, Timer and Scheduling of the workflow
* Used Star Schema approach for designing of Data Warehouse using Erwin.
* Worked with Memory cache for improving throughput of sessions containing Rank, Lookup, Joiner, Sorter and Aggregator transformations.
* As per the requirement, performed Initial loading, monthly loading and monthly cleanup update processing.
* Used SQL Override in Source qualifier to customize SQL and filter data according to requirement.
* Responsible for Performance Tuning at the Mapping Level, Session Level, Source Level and the Target Level for Slowly Changing Dimensions Type1, Type2, and Type3 for Data Loads.
* Prepared Unit Test Plan (UTP) documents for all the test cases for the developed mappings, unit Testing, Integration Testing and System Testing.

**Environment**: Oracle 10g, Informatica Power Centre 7.1.3(Informatica Designer, Repository

Manager, Workflow manager, Workflow monitor), UNIX, Tools: Toad, MS-Visio.

**Academics:**

* Master’s in Computer Science, University of Central Missouri- USA, 2015-3.7 GPA.
* Bachelor’s in Electrical & Electronics Engineering, JNTU- India, 2008-3.6 GPA