**Pragna Gummadi**

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**Professional Summary:**

* Overall 8+ years of experience in SDLC (Software Development Life Cycle), analyzing business requirements, design and development, Data Modeling, Data management strategy, Implementation and testing of Data warehousing.
* Experience with Erwin and strong knowledge of Relational database modeling and Dimensional database modeling concepts and star/snowflake schemas implementation and good knowledge on OLTP and OLAP systemsand expertise in integrating various source’s- Oracle, Teradata and Flat files.
* Extensive understanding of Transactional and Dimensional Data Modeling, Data Ware house concepts and Designing Star schemas & Snowflake Schemas for OLAP Systems.
* Work experience has given me the opportunity to acquire an in-depth knowledge of the Retail & Healthcare domains, Tax domain, procedures, implementations techniques, system development as well as building customer relationship skills.
* Experience in analyzing, designing, developing and deploying **MS SQL Server** products like SSIS,SSRS,SSAS (2012,2008,2005).
* Experience in using **SSIS** tools like Import and Export Wizard, Package Installation, and SSIS Package Designer.
* Experience in writing**T-SQL** Queries, sub-queries and complex joins for generating Stored Procedures, Triggers, User-defined Functions, Views and Cursors.
* Experience in error handling, precedence Constraints, Break Points, Check points and Logging.
* Experience in using **SSIS** tools like Import and Export Wizard, Package Installation, and SSIS Package Designer.
* Defining data warehouse (star and snow flake schema), fact table, cubes, dimensions, measures using SQL Server Analysis Services (**SSAS**).
* Experience in using global variables, expressions and functions for the **SSRS**reports.
* Expertise in Data transformation and Loading for the design and development of ETL methodology using **Informatica Power Center 9.1/8.6/8.1/7.1** and **SQL Server 2012/2008,2205**.
* Extensive experience in developing mapping transformations, workflows, worklets, mappings, Mapplets, Sessions, Tasks, schedule the Workflows and Sessions.
* Proficient in Implementation of Data warehouse from Requirement gathering, Data Analysis, data modeling, Application Design, development and data cleansing using IDQ tool.
* 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 Effort Estimation, coordination with various teams on different issues, worked with Clients, Users, Onsite team and offshore team and keep track of work progress.
* Extensively used SCD (slowly changing Dimension) in insurance application.
* Good experience in Debugging and performance tuning of sources, targets, mappings, transformations and sessions.
* Responsible for Data Extraction, data transformation and data loading from multiple sources into the data warehouse.
* 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,OracleDesigner |
| Data Warehouse/ETL Tool: | Informatica Power Center 9.1/8.6/7.1 (PC and IDQ), Data Stage 8.7, Pentaho. |
| Databases: | Oracle 10g,9i/8i/7.x, Teradata 15.0, SQL Server, Mysql |
| Languages: | PL/SQL, C, C++, SQL, UNIX shell scripting. |
| Web Tools: | HTML, XML, Java Script. |
| Tools: | TOAD,Pl/Sql Developer, Data Ladder, Tableau |
| Operating Systems: | Microsoft 95/98/2000/XP/NT, UNIX AIX |

**Professional Experience:**

**Client: Ohio Department of Taxation- Columbus, OHFeb ‘16 – Till Date**

**Role: Sr.ETL/Informatica Engineer**

**Project: Fraud Analytics using Teradata database.**

**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 Teradata utilities to load external file data to custom table space for data mining.
* 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 Power Center and **IDQ**.
* Prepared **ETL** mapping specification documents
* Created **ETL** workflows, sessions and mappings.
* Design Dimension and Fact tables using Erwin.
* 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 enterprise 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, worked on BTEQ scripts to push data into teradata tables.

**Environment:**Informatica Power Center 9.1/8.6/8.1/7.1, Teradata 15.0, IBM DB2, Tableau, Data

Ladder, IBM SPSS statistics tool, IBM clear case, Erwin Data modeler.

**Client: CVS Health-Chicago, IL July ’14 – Jan ‘16**

**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.
* Prepared the complete data mapping for all the migrated jobs using SSIS.
* Created SSIS Packages using SSIS Designer for export heterogeneous data from OLE DB Source (Oracle), Excel, Files to **SQL Server 2012.**
* Developed number of complex mappings using lookup, fuzzy lookup, Conditional Split, Script transform, Source Adapter, Derived Column Transformation, Aggregator, Merge Join Transformation to implement the business logic and load the data incrementally.
* Worked on DTS/SSIS for transferring data from Heterogeneous Database (Oracle and XML format data) to SQL Server.
* Used**DTS/SSIS** and **T-SQL** stored procedures to transfer data from OLTP databases to staging area and finally transfer into data marts and performed action in XML.
* Used data profiling task in **SSIS** 2012 to identify poor data and repair it.
* Performed operations like Data reconciliation, validation and error handling after Extracting data into SQL Server.
* 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.
* Created **SSIS** packages for File Transfer from one location to the other using FTP task.
* Build efficient **SSIS** packages for processing fact and dimension tables with complex Transforms and type 1 and type 2 slowly changing dimensions.
* Created parameterized reports, Drill down and Drill through reports using SSRS.
* Designed **SSIS** Packages to transfer data from flat files to SQL Server.
* Extensively used SSIS transformations such as Lookup, Derived column, Data conversion, Aggregate, Conditional split, SQL task, Script task and Send Mail task etc.
* Created ETL Packages using **SSIS** to extract data from staging tables to partitioned tables with incremental load.
* Used Execution Plan**,** SQL Profiler and Database Engine Tuning Advisor to optimize queries and enhance the performance of databases
* Created reports with Analysis Services Cube as the data source using **SSRS**.
* 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.
* 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.
* 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.
* Coordinating with the team and interacting with the client for implementation of deliverable.

**Environment:**SQL Server(SSIS/SSRS), Teradata 13, PL/SQL, UNIX.

**Client: Fidelity Investments - Merrimack, NHJan ’12 - June ‘14**

**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.
* Extensively used Xml source qualifier, Mid-stream XML parser transformation, Mid-stream XML generator transformations, as our main source type was XMLFiles.
* 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 likeDTS 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 ObjectsClasses and Objects, Created complex Universes and Reports.
* Created the reports using Business Objects functionalities like Queries, Slice and Dice, Drill Down, MasterDetail 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, 8.6.1, XMLFiles, ERwin 4.0/3.5, Oracle 11g, DB2, Tera

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

**Client: Town North Bank-Dallas, TX Nov’10 - Dec ‘11**

**Role: Informatica Developer**

* Worked with business analysts to analyze the functional requirementsparsing 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 **SQL Server.**
* Experience in development of extracting, transforming and loading (ETL), maintain and support the enterprise data warehouse system and corresponding marts
* Worked on data profiling, data quality and clean ups for **SSIS packages**.
* Worked with installing, designing and managing **MS SQL Server 2008.**
* Creating and managing schema objects such as tables, views, indexes, stored procedures, and triggers & maintaining Referential Integrity.
* Created packages using **SSIS** for data extraction from Flat Files, Excel Files, and OLEDB to SQL Server.
* Worked with Meta-Data Driven **SSIS** Packages to pull the data from different Sources and load to Data mart.
* Build efficient **SSIS** packages for processing fact and dimension tables with complex Transforms and type 1 and type 2 slowly changing dimensions.
* Created mapping tables to find out the missing attributes for the ETL process.
* Used the row count transformation and event handlers control flow to populate the special Log tables with execution results
* Created SQL Jobs to schedule SSIS Packages.
* Worked with various tasks of SSIS include Transform Data Task, Execute SQL Task, Active Script Task etc.
* Experience in creating complex SSIS packages using proper control and data flow elements with error handling.
* Hands on experience in using different transformations like fuzzy lookup, derived column..
* Designed and developed OLAP Cubes and Dimensions using SQL Server Analysis Services (SSAS).
* Used Package Configurations to make use of same SSIS package in Dev/Testing/Prod Environments
* Used DDL and DML for writing triggers, stored procedures to check the data entry and payment verification.
* Involved in Data Integration by identifying the information needs within and across functional areas of an enterprise database upgrade and Migration with SQL server Export Utility.
* Managed all indexing, debugging, optimization and performance tuning using SQL Profile and SQL Server Agent.
* Developed a Tabular Reports, ad-hoc reports using SSRS Report Designer.
* Involved in fine Tuning and Performance and Query optimization of the Database as required by the application.

**Environment:** Oracle 11g, Mainframe DB2, XML, **SQL Server** 2008, **SSIS** 2008.

**Client: Duke Energy- Cincinnati, OH 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.