**Madhu Reddy**

# ETL / INFORMATICA

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**SUMMARY**

* Over 8+ years of overall IT exposure with Informatica Power Center in all phases of Analysis, Design, Development, Implementation and support of Data Warehousing applications using Informatica Power Center 9.1/8.6/8.5/8.1.1
* Data Processing experience in designing and implementing Data Mart applications, mainly transformation processes using Informatica Power Center8
* Extensively worked on Informatica Power Center Transformations such as Source Qualifier, Lookup, Filter, Expression, Router, Normalizer, Joiner, Update Strategy, Rank, Aggregator, Stored Procedure, Sorter, and Sequence Generator.
* Good knowledge in OLAP and OLTP process.
* Proficiency in using Informatica Power Center tool to design data conversions from wide variety of sources.
* Extensively involved in Facets billing module both in Back – End and Front – End data system for different Billing process documents which fulfilled the current business needs.
* Strong in Data warehousing concepts, dimensional Star Schema and Snowflakes Schema methodologies
* Extensively worked with large Databases in Production environments.
* Proficient in using Informatica workflow manager, Workflow monitor to create, schedule and control workflows, tasks, and sessions
* Involved in Performance tuning of the Informatica and Oracle.
* Extensive work in ETL process consisting of data transformation, data sourcing, mapping, conversion and loading.
* Extensive experience in Analysis, Implementation of Healthcare Application using Facets.
* Extensive knowledge of Facets Billing, Enrolment and Claims processing.
* Strong experience in Data warehousing, Data Integration, Data Migration and Conversion projects.
* Experience in creating complex mappings using various transformations and developing strategies for Extraction, Transformation and Loading(ETL) mechanism by using Informtaica 8.6/7.x/6.x/.
* Designed and developed data validation, load processes (ETL) using Oracle Data Warehouse Builder.
* To manage end to end delivery concerning data warehouse in business intelligence projects.
* Extensively used SQL and PL/SQL to write Stored Procedures, Functions, Packages and Triggers.
* Experience in UNIX Operating System.
* Proficient in understanding business processes / requirements and translating them into technical requirements.
* Highly adept at creation, execution, testing and debugging of Informatica mappings, mapplets, sessions, tasks, worklets and workflows in UNIX and Windows environment.
* Good Knowledge in Data Modeling.
* Performs investigations on security related issues and resolves the same
* Team Player with excellent communication, analytical, verbal, writing and interpersonal skills.

**TECHNICAL SKILLS**

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| --- | --- |
| Data Warehousing ETL | Informatica PowerCenter 8.x/7.x/6.x, (Source Analyzer, Warehouse Designer, Transformation Developer, Mapplet Designer, Mapping Designer, Repository Manager, Workflow Manager, Workflow Monitor and Informatica Server) ETL, Repository, Metadata, Data Mart, FACT & Dimensions tables. |
| Data Modeling | Physical Modeling, Logical Modeling, Relational Modeling, Dimensional Modeling (Star Schema, Snow-Flake, Fact, Dimensions), Entities, Attributes, Cardinality, ER Diagrams |
| Databases | Oracle 11g/10g/9i/8.0, MySQL, SQL Server 2005/ 2000/2008. |
| Programming | SQL, PL/SQL, SQL\*Loader, Unix, Shell Scripting, C, Java, HTML. |
| Tools | TOAD, SQL Developer. |
| Environment | UNIX(IBM AIX,Sun Solaris), Sun solraies |

**PROFESSIONAL EXPERIENCE**

**Client: Wellcare, Tampa, FL Apr’2012– Till date**

**Role: Informatica Developer**

**Responsibilities:**

Well Care Health Plans, Inc. provides managed care services targeted to government-sponsored health care programs, focusing on Medicaid and Medicare. Headquartered in Tampa, Florida, Well Care offers a variety of health plans for families; children; and the aged, blind and disabled; as well as prescription drug plans.

**Responsibilities:**

* Understanding the Business requirements in designing the data warehouse.
* Developed mappings using Informatica to load data from sources such as Relational tables, Flat files, Oracle tables into the target Oracle Data warehouse.
* Developed mappings/Transformation/mapplets by using mapping designer, transformation developer and mapplet designer in Informatica Power Center.
* Developed ETL procedures to ensure conformity, compliance with standards and lack of redundancy, translates business rules and functionality requirements into ETL procedures.
* Extensively worked with transformations like Lookup, Update Strategy, Expression, Filter, Router, Joiner, and Aggregate.
* For better performance, extensively worked on SQL over ride in Source Qualifier Transformation
* Developed Joiner transformation for extracting data from multiple sources.
* Designed, developed stored procedures using PL/SQL and tuned SQL queries for better performance.
* Managed the systems development and built the business processes to activate Medicare parts A-B-C & D, Special Needs Programs (SNP) and Private Fee For Service (PFFS) plans on FACETS version 4.41 platform.
* Facilitate User Acceptance Testing and test strategies with developers and testers.
* Facilitate System Integration Testing on FACETS system to verify HIPAA compliance from 4010 to 5010.
* Implemented slowly changing dimension in various mappings.
* Used Incremental Aggregation technique to load data into aggregation tables for improved performance.
* Developed gap analysis and risk assessments for the FACETS upgrade project including effects on internally developed extensions and third party software for pricing and contract configuration.
* Served as a point of contact and trading partners to do the testing for various types of claims and real time transactions like 270/271/276/277 for Medicare and Medicaid programs in FACETS.
* Worked on customizing the claim module of FACETS for repricing Nursing home claims.
* Created and used reusable Mapplets and transformations using Informatica Power Center.
* Created data break points and error break points for debugging the mappings using Debugger Wizard.
* Created session and work flows to help schedule mighty loads and process data from all source.
* Worked on different tasks in Workflows like sessions, event raise, event wait, decision, e-mail, command, worklets, Assignment, Timer and scheduling of the workflow.
* Created Test plans for unit-test, System Integration Test and UAT and tested code in all Development.
* Prepared ETL standards, Naming Conventions and wrote ETL flow documentation.
* Created Test plans for unit-test, System Integration Test and UAT and tested code in all Development.
* Worked on autosys to run informatica jobs parallel.

**Environment:** Informatica Power Center 9.1 (Repository Manger, Designer, Workflow Monitor, Workflow Manager),Oracle 10g/11, SQL, PL/SQL,UNIX, Auotsys .

**Client: Blue Shield of California ,SFO, CA Dec’2011– Mar’ 2012**

**Role: Informatica Developer**

Blue Shield must develop a business process to comply with a Massachusetts and Vermont originated mandate that health insurers and third party administrators (TPA) register annually and, based on enrollment thresholds, submit eligibility and claims data to the All Payers Claims Database (APCD).

To develop a repeatable process with a designated business process owner that will enable Blue Shield to comply with the Massachusetts and Vermont registration and reporting requirements and to respond to similar mandates in other states.

**Responsibilities:**

Analyze requirements from Business users

* Perform data analysis for any requirement and provide source to target mapping rule document
* Data validation/profiling by writing complex SQL queries by joining several tables.
* Identifying the source to target mapping attributes under different source systems in BS
* Designed data models to support user’s business requirements.
* Designed and developed complex aggregate, join, look up transformation rules (business rules) to generate consolidated (fact/summary) data identified by dimensions using Informatica ETL Power Center.
* Used the Slowly Changing Dimensions wizard (type 2) to update the data in the target dimension tables.
* Created sessions, database connections and batches using Informatica Server Manager/Work flow Manager.
* Optimized mappings, sessions/tasks, source, and target databases as part of the performance tuning.
* Configured the server and email variables using Informatica Server Manager/Work flow Manager.
* Used command line program pmcmd to communicate with the server to start and stop sessions and batches, to stop the Informatica server and recover the sessions.
* Used all types of caches like dynamic, static and persistent caches while creating sessions/tasks.
* Used Metadata Reporter to run reports against the repository.
* Designed the physical structures necessary to support the logical database design.
* Designed processes to extract, transform, and load data to the Data Mart.
* Involved in Informatica mappings development using Power Center designer and server manager /Work flow Manager to create the sessions and did lot of testing and data cleansing.
* Performed regular backup of data warehouse, backup of various production, development repositories including automating and scheduling processes.
* Provide the analysis on any ad-hoc data request or analysis requested from business users
* Involvement in all phases of software development life cycle in this project which includes but not limited to Requirement gathering/analysis, technical design, development, testing, and user acceptance testing and warranty support.
* Validate data processing components as per the requirements and perform data cleansing activities.

**Environment:** Informatica Power Center 8.1, Oracle 10g,Toad 9.7, UNIX.

**Client: UST Global/Carenet Healthcare Services, San Antonio TX Jul'2012 - Nov'2011**

**Role : Informatica Developer**

Carenet Healthcare Services is a leading healthcare services provider for more than 250 clients in North America. They are committed to assisting Member and physicians for their Client to Triage them or provide member service for any health or insurance benefit related question.

The company has more than 250 different health care Client Including All Commercial Health Plan, Employer, Govt Contracts, Hospital System, Medicaid, Medicare, and US military System also. Carenet wants to Upgrade their Care Enhance Call Center (CECC5.5.3) to CECC5.6.1, & Company wants to launch new program for their new client BCBS- FEP ( Federal Employee Program ) which include serve there member by Phone call , Chat and Email Support, & Company wants to Upgrade here telephony platform form Televantage to Interactive Intelligence CIC4.0for Nurseline and member services, & also from Interactive Intelligence CIC3.0 to CIC4.0 for Client engagement, & Company also want to Upgrade OS from window XP to Window 7 and Internet explorer 7 to Inter Explorer 9, & data center migration to Cyrus from Woodstone in house for production and training.

**Responsibilities:**

* Understanding the Business requirements in designing the data warehouse.
* Expertised in dimensional modeling to design and develop the STAR Schema using Erwin.
* Developed mappings for Product, Customer, Type, Transaction, Demand dimensions, implementing the ETL logic provided as a part of the Technical Specification in the Project.
* Developed mappings using Informatica to load data from sources such as Relational tables, Flat files, Oracle tables into the target Oracle Data warehouse.
* Defined Functional Test Cases, documented, Executed test script in Facets system.
* Identified the impacts the HIPPA 5010 & ICD 10 project had on enrolment Claims, FEP (Medicare and Medicaid program)
* Identified gaps and performed gap analysis.
* Created Mapping Documents, Report Mock-ups and modified existing report mock-ups and finalized for development.
* Gather the requirements for 270/271 (Generate the 271 response as per Clients Requests on 270)
* Designed and development of test cases based on functional requirements for Institutional and Professional claims for EDI (Electronic data interchange) and HIPAA Transactions 837/835, 834, 270/271 testing.
* Responsible for integrating with Facets .Designing test scripts for testing of Claims in Development, Integration and production environment. Thoroughly analyzed impacts to the system components (DB2 tables, copybook, and the data warehouse) in order to support the current functions, as well as prepare for updated or changed functions identified in the Business Rules Comparison.
* Developed ETL procedures to ensure conformity, compliance with standards and lack of redundancy, translates business rules and functionality requirements into ETL procedures.
* Extensively worked with transformations like Lookup, Update Strategy, Expression, Filter, Router, Joiner, and Aggregate.
* For better performance, extensively worked on SQL over ride in Source Qualifier Transformation
* Developed Joiner transformation for extracting data from multiple sources.
* Designed, developed stored procedures using PL/SQL and tuned SQL queries for better performance.
* Used Update strategy and Target load plans to load data into Type-2 /Type-1 Dimensions.
* Implemented slowly changing dimension in various mappings.
* Used Incremental Aggregation technique to load data into aggregation tables for improved performance.
* Created and used reusable Mapplets and transformations using Informatica Power Center.
* Created data break points and error break points for debugging the mappings using Debugger Wizard.
* Created session and work flows to help schedule mighty loads and process data from all source.
* Worked on different tasks in Workflows like sessions, event raise, event wait, decision, e-mail, command, worklets, Assignment, Timer and scheduling of the workflow.
* Created pre-session and post session UNIX scripts and automated ETL batch jobs.
* Created Test plans for unit-test, System Integration Test and UAT and tested code in all Development.
* Prepared ETL standards, Naming Conventions and wrote ETL flow documentation.
* Used Power Exchange to access VSAM, IMS data stored on the mainframe systems

**Environment:** Informatica Power Center 8.6.1, Power Exchange, Oracle 10g,Toad 9.7,UNIX Shell.

**Client: Carlson Wagonlit Travel, Minnepolis, MN Oct’2010–Jul‘2011**

**Role: Informatica Developer**

Carlson entrepreneurial spirit is deeply rooted in our 70-year [history](http://carlson.com/our-company/history.php), the [Carlson Credo, and Our Values](http://carlson.com/our-company/the-carlson-credo.php). We have great momentum, as evidenced by the significant growth in our hotel, restaurant and travel businesses over recent years. And we have the resources and commitment to invest in our business. Carlson, hospitality is more than a market, it represents the essence of what we do for our guests. We simply like to take care of them and bring to them extraordinary service

**Responsibilities:**

* Extensively used Informatica Power center for extracting, transforming and loading data from relational sources and non-relational sources.
* Extensively used the transformations Sequence Generator, Expression, Filter, Router, Sorter, Rank, Aggregator, Lookup (Static and Dynamic), Update Strategy, Source Qualifier, Joiner, Normalizer.
* Developed Informatica mappings, re-usable transformations, re-usable mappings and Mapplets for data load to data warehouse.
* Developed Mappings using Designer to extract, transform data according to the requirements and loaded into database.
* Expertise in MYSQL Database is a  [relational database management system](http://en.wikipedia.org/wiki/Relational_database_management_system) (RDBMS) that runs as a server providing multi-user access to a number of databases.
* Handled slowly changing dimensions of Type 2 to populate current and historical data to Dimensions and Fact tables in the data warehouse.
* Involved in content management system Informatica power centre load data, mapping, mapplets. A content management system is the application you use to create, organize, update, and maintain database. CMS allows you to log in for access and control .
* Implemented complex UNIX scripts to run the workflows daily, weekly and Monthly.
* Developed mapping parameters and variables to support SQL override.
* Setting up Batches and sessions to schedule the loads at required frequency using Power Center Workflow manager .
* Created Stored Procedures to transform the Data and worked extensively in T-SQL, PL/SQL for various needs of the transformations while loading the data into SQL Server database
* Monitoring the ETL jobs and fixing the Bugs.
* Designing Star schema and Snowflake schema using fact tables and dimensional tables.
* Designed, modeled, developed ETL software for a data mart in Informatica
* Participated in the review and maintenance of data security standards to protect information assets.
* Involved in execution of Unit test plans & prepare the Unit logs.
* Involved in migrating the Mappings, Sessions, Workflows from Test environment to   
  Production environment.
* Developed document Rational and mitigation strategies for course of action.

**Environment:** Informatica Power Center 8.6.1, Oracle 10g/9i, SQL, PL/SQL, TOAD, SQL\*Plus, Windows, UNIX(Sun Solaris).

**Client: State Bank of India , Hyderabad , INDIA Oct ‘2009–Sep’2010**

**Role: Sr. Informatica Developer**

State Bank of India is one the largest banking and mortgage lending companies. The customer data is imported from various sources into Customer management system (CMD), which is a data warehousing system where information is brought into and processed. CMD is used by reporting and marketing teams in collecting relevant customer information, and creating the selective offers for the customers. Informatica Power Center tool was used to load strategic source data into CMD.

**Responsibilities:**

* Collaborated with Business analysts for requirements gathering, analysis, ETL design and development for extracting data from the heterogeneous source systems like Oracle, flat files, XML files and loading into Staging and Data Ware House Star Schema.
* Understanding the Business requirements in designing the data warehouse.
* Extensively worked with transformations like Lookup, Update Strategy, Expression, Filter, Router, Joiner, and Aggregate.
* For better performance, extensively worked on SQL over ride in Source Qualifier Transformation
* Developed Joiner transformation for extracting data from multiple sources.
* Designed, developed stored procedures using PL/SQL and tuned SQL queries for better performance.
* Used Update strategy and Target load plans to load data into Type-2 /Type-1 Dimensions.
* Expertised in dimensional modeling to design and develop the STAR Schema using Erwin.
* Developed mappings for Product, Customer, Type, Transaction, Demand dimensions, implementing the ETL logic provided as a part of the Technical Specification in the Project.
* Developed mappings using Informatica to load data from sources such as Relational tables, Flat files, Oracle tables into the target Oracle tables.
* Developed ETL procedures to ensure conformity, compliance with standards and lack of redundancy, translates business rules and functionality requirements into ETL procedures.
* Implemented slowly changing dimension in various mappings.
* Used Incremental Aggregation technique to load data into aggregation tables for improved performance.
* Created and used reusable Mapplets and transformations using Informatica Power Center.
* Created data break points and error break points for debugging the mappings using Debugger Wizard.
* Created session and work flows to help schedule mighty loads and process data from all source.
* Worked on different tasks in Workflows like sessions, event raise, event wait, decision, e-mail, command, worklets, Assignment, Timer and scheduling of the workflow.
* Created pre-session and post session UNIX scripts and automated ETL batch jobs.
* Created Test plans for unit-test, System Integration Test and UAT and tested code in all Development.
* Prepared ETL standards, Naming Conventions and wrote ETL flow documentation.

**Environment:** Informatica Power Center 8.6.1,Oracle 11g/10g, Toad 9.7,UNIX Shell Scripting ,HP-UX,AI.

**Client: Wabot Labs, Pune ,India Apr’2008- Sep’2009**

**Role: ETL / Informatica Developer**

Wabot Labs is the one-stop source for reliable, customized wireless Internet software and infrastructure.Wabot Labs is the company that has the breadth of mobile and wireless technologies and services to implement, manage and maintain your mobile and wireless applications. Wabot Labs holistic solutions provide total system wellness on the ongoing availability and performance of a corporate network through a system of 24x7x365 firewall management, intrusion detection services, and assessment recommendations.

**Responsibilities:**

* Extracted Data from Different Sources by using Informatica.
* Extensively used Informatica client tools Source Analyzer, Warehouse designer, Mapping designer, Mapplet Designer, Transformations.
* 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, Router, Lookup and Update transformation rules.
* Developed schedules to automate the update processes and Informatica sessions and batches.
* Developed mappings/Transformation/mapplets by using mapping designer, transformation developer and mapplet designer in Informatica Power Center 6.1.
* Setting up batches and sessions to schedule the loads at required frequency using PowerCenter server manager.
* Created Users, user groups, database connections and managed user privileges using supervisor.
* Involved in creating desktop intelligence and web intelligence reports.

**Environment:** Informatica PowerCenter 6.1, Oracle 10g, , SQL, PL/SQL,UNIX Shell Scripting.

**Client: Abbot Laboratories, Hyderabad, India Jul’06-Mar’08**

**Role: Informatica Developer**

This Data Warehouse is constructed to stage the Sales & Distribution and Inventory related data for Abbott Pharmaceuticals (Pharmaceuticals and Hospital related products). Informatica is used to Extracting data from source system to target systems. There are numerous sources of data coming into the warehouse including flat files and Excel spreadsheets.

**Responsibilities:**

* Worked on Informatica - Source Analyzer, Warehouse Designer, Mapping Designer & Mapplet, and Transformation Developer.
* There were two kinds of data loading processes (Daily and Weekly) depending on the frequency of source data.
* Imported data from various sources transformed and loaded into Data Warehouse Targets using Informatica.
* Fixing invalid Mappings, testing of Stored Procedures and Functions, Unit and Integration Testing of Informatica Sessions, Batches and Target Data.
* Extensively used Transformations like Router, Aggregator, Source Qualifier, Joiner, Expression, Aggregator and Sequence generator.
* Scheduled Sessions and Batches on the Informatica Server using Informatica Server Manager/Workflow Manager.
* Used UNIX cron jobs to schedule the sessions to automate the update process in the workflow manager
* Worked with pmcmd to interact with Informatica Server from command mode and execute the shells scripts.
* Worked with different sources such as Oracle, MS SQL Server and flat files.
* Knowledge of slowly changing dimension tables and fact tables.
* Writing documentation to describe program development, logic, coding, testing, changes and corrections.
* Optimizing the mappings by changing the logic to reduce run time.

**Environment:** Informatica Power Center 8.1 (ETL),Oracle 10, ERWIN 4.0, SQL, PL/SQL, Windows NT/2000, HP-Unix.