E.M.RAO

DATA WAREHOUSE/ETL DEVELOPER

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**PROFESSIONAL SUMMARY:**

* 8 years of hardcore IT experience in using ETL methodologies for supporting Data

Extraction, Data Migration, Data Transformation and loading using Informatica Power

Center 9.6/9.5/ 9.1, 8.6.1 and Microsoft technologies.

* 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.
* Good understanding of Ralph Kimball Dimensional Modeling using Star schema methodology and Bill Inman Snow Flake schema methodology.
* Strong experience in Extraction, Transformation, Loading(ETL) data from various sources into Data Warehouses and Data Marts using Informatica Power Center.
* Experience in complete life cycle (SDLC) of Design, Maintenance of Development, Implementation and Enterprise Data Warehouse (EDW).
* Experience in Designing and developing mappings from various transformation logics like, Source Qualifier, Unconnected and Connected Lookups, Router, Filter, Expression, Aggregator, Union, Joiner, Transaction Control and Update Strategy.
* Expertise in Mappings, Sessions, Workflows, Mapplets, Reusable Transformation, Shared Folders, Shortcuts, Reusable tasks and worklets.
* Extensive experience with Informatica Power Center 9.x,8.x on UNIX and Windows platforms.
* Extensively worked on Data migration, Data cleansing and Data Staging of operational sources using ETL processes and providing data mining features for data warehouse.
* Experience in implementing update strategies, incremental loads and Change Data Capture.
* Experienced in handling SCDs (Slowly Changing Dimensions) using Informatica.
* Good understanding of relational database management systems like Oracle, DB2, and SQL Server and extensively worked on Data Integration using Informatica for the Extraction transformation and loading of data from various database source systems.
* Worked with Session logs and Workflow logs for Error handling and troubleshooting in Dev environment.
* Writing Perl Script to execute power mart command and also to load data from source xml’s to staging tables, to purge data from tables, to purge files from respective paths.
* Extensive knowledge of various Performance Tuning Techniques on Sources, Targets, Mappings and Workflows using Partitions/Parallelization and eliminating Cache Intensive Transformations.
* Extensively used Autosys, Tivoli for scheduling jobs.
* Developing Oracle Pl/SQL stored procedures, Functions, Packages, SQL scripts to facilitate the functionality for various modules.
* Committed individual with excellent interpersonal, analytical and communication skills.
* Ability to work simultaneously on multiple projects, work independently as well as a team member.

**TECHNINCAL SKILLS:**

Operating Systems : Windows 98/2000/2005/2008/XP/NT, UNIX-Sun Solaris 2.x.

ETL Tools : Informatica Power Center 9.6/ 9.5/9.1/ 8.6.1/8.5 Power Exchange,

Informatica IDQ 9.1, Warehouse Builder 9.2

Databases : Oracle 11g/10g/9i, SQL Server 2008/2005/2000, DB2 9.7/8.0/7.0,

MS.Access

Languages : SQL, PL/SQL, UNIX Shell Scripting, Perl Scripting, XML, Java

Data Modeling : ERWIN 3.0/4.0, MS.Visio

Reporting Tools : Business Objects, Cognos, Qlikview

Other Tools : Control –M, Autosys, Toad, SQL Developer, TWS (Tivoli Workload

Scheduler).

**EDUCATION:**

Bachelor in Computer Science

Andhra University, India.

Masters in Business Administration

Johnson and Wales University, RI, USA.

**Work Summary:**

**Belkin International Ltd, CA April 2015- Current**

SR.ETL DEVELOPER

Belkin International, a leading consumer electronics manufacturer and creators of the smart home brand. The company produce products such as home networking, entertainment, mobile accessories, energy management and an extensive range of cables. The Project dealt with the Sales and Marketing data collected from different tests and IMS data which consisted of all the sales and marketing information of products in the market.

**Responsibilities:**

* Worked on the requirement gathering and analysis for loading data into ODS.
* Worked closely with data population developers, multiple business units and a data solutions engineer to identify key information for implementing the Data Warehouse.
* Interpreted logical and physical data models for Business users to determine common data definitions and establish referential integrity of the system.
* Parsed high-level design spec to simple ETL coding and mapping standards.
* Used Informatica as an ETL tool to create source/target definitions, mappings and sessions to extract, transform and load data into staging tables from various sources.
* Developed ETL procedures to ensure conformity, compliance with standards and lackof redundancy, translating business rules and functionality requirements into ETL procedures.
* Populated the staging tables with various Sources like Flat Files, Relational tables.
* Created mappings usingvarious Transformations such as Source Qualifier, Aggregator, Expression, Lookup, Router, Filter, Rank, Look up, Sequence Generator and Update Strategy.
* Extensively build mappings with SCD1,SCD2 implementations as per requirement of the project to load Dimension and Fact tables.
* Handled initial(i.e. historical) and incremental loads in target database using mapping variables.
* Used Debugger to debug mappings and created breakpoints for better analysis of mappings.
* Worked with Workflow Manager for maintaining Sessions by performing tasks
* Performed Unit testing and created unit test plan of the code developed and involved in system testing and Integration testing as well. Coordinated with the testers and helped in the process of integration testing.

**Environment**: Informatica PowerCenter 9.6/ 9.5/9.1, Oracle 10g/11g, SQL Server 2008/2005, Informatica IDQ 9.1, Unix and Windows 2003/2008, DB2, TWS (Tivoli Workload Scheduler), Business Objects, Qlikview.

**Nationwide Insurance, OH**

**Centralized Licensing Warehouse Jan 2014 – March 2015**

Dataware House / ETL Developer

Nationwide is a one of largest Insurance provider in North America. It deals with various types of licensing for its agencies and agents at individual and firm level. As part of Centralized Licensing initiative, it’s building a warehouse where it will be storing all the licensing information into one warehouse so that it can keep track of licensing information.

**Responsibilities:**

* Interact with business community, gathered requirements and identification of facts, measures, dimensions and hierarchies.
* Analyze trades/licenses from various source systems like Denado/AMS/AMF/PDS and integrate with existing Nationwide data to help with licensing analysis.
* Created the ETL design documentation, Mapping document, Migration document, Test cases and set the standards for development and testing.
* Actively involved in analysis, development, testing and performance tuning.
* Implemented slowly changing dimensions.
* Involved in Design review and code review.
* Extensively worked in Informatica Performance Tuning and thereby improving the load time.
* Created Index, Partitioning, Analyzed Tables and improved performance.
* Created Informatica Mappings using Mapping Designer to load the data from various sources using different transformations like SQL, Normalizer, Aggregator, Expression, Stored Procedure, External Procedure, Filter, Joiner, Lookup, Router, Sequence Generator, Source Qualifier and Update Strategy Transformations.
* Involved in Unit Testing, Integration Testing and Performance Testing of ETL.
* Responsible for handling large volume data conversions, data cleansing and following data delivery standards.
* Apply business rules using complex SQL and validation rules to check data consistency.
* Perform data validation and massaging to ensure accuracy and quality of data.
* Created Unix Scripts to move files from one location to other and to create parameter files.

Environment: Informatica 8.6.1 & 9.5/ 9.1, Informatica IDQ 9.1, DB2, Oracle 10g/11g, Unix, Business Objects R2/R3, Cognos 8(Analysis Studio, Report Studio, Query Studio), Autosys.

**Classic Food Limited, LA April 2012 - Jan 2014**

INFORMATICA/ ETL DEVELOPER

This project deals with the distribution of historical sales, financial and marketing data to brokers, customers and financial centers on daily basis. The end users for analyzing the sales use the Data mart. This information is being used by a group of business analysts and senior managerial personnel. Informatica was used as an ETL tool for extracting the data from various sources running on various databases and load into Oracle 9i Data Warehouse.

**Responsibilities:**

* Created mappings and sessions to implement technical enhancements for data warehouse by extracting data from sources like Oracle and Delimited Flat files.
* Applied slowly changing dimensions like Type1, Type2 effectively to handle the delta loads.
* Prepared various mappings to load the data into different stages like Landing, Staging and Target tables.
* Used various transformations like Source Qualifier, Expression, Aggregator, Joiner, Filter, Lookup, Update Strategy Designing and optimizing the Mapping.
* Developed workflows using task developer, worklet designer, and workflow designer in Workflow manager and monitored the results using workflow monitor.
* Created various tasks like Session, Command, Timer and Event wait.
* Modified several of the existing mappings based on the user requirements and maintained existing mappings, sessions and workflows.
* Tuned the performance of mappings by following Informatica best practices and also applied several methods to get best performance by decreasing the run time of workflows.
* Prepared SQL Queries to validate the data in both source and target databases.
* Automated the Informatica jobs using Unix shell scripting.
* Closely worked with the reporting team to ensure that correct data is presented in the reports.

Environment: Informatica Power Center 8.6.1/8.1.1, Oracle 9i, MS SQL Server 2005, Windows XP, Delimited Flat files.

**Kotak Mehendra Bank, India. Feb 2010 – Jan 2012**

Informatica Developer

This system keeps track of day-to-day bank operations like deposits, withdrawals, demand drafts, different types of loans (mortgage business) for the customers as well as the employees.

**Responsibilities:**

* Understanding database design schemas for different sources.
* Understanding end user requirements.
* Designed the ETL processes using Informatica tool to load the data from File system and Oracle into the target.
* Created aggregate tables, Materialized views to improve query performance.
* Created Mapplets and reusable transformations.
* Used Informatica as an ETL Tool to extract data from source systems to Target systems. Have good experience in understanding & creating source and target definitions, Mappings, Transformations and working with workflows.
* Used the Informatica Workflow Manager to create and run the sessions for loading the data using the earlier created mappings.
* Involved in extracting data from different data sources, flat files, excel sheets and loaded into Oracle 9i and target files using Informatica.
* Used Informatica Workflow Manager & Monitor to create, schedule, Monitor Workflows.
* Performed the Tasks of Validating, Executing and scheduling the workflows.

**Environmen**t: Informatica Power Center 8.1, Oracle9i, Windows XP.

**Lehman Brothers, Hyderabad, India May, 2008 - Jan, 2010**

**Informatica Developer**

This project included designing a system to monitor the inventory of the organization. This system records all transactions in a store, like material receipt against purchase order, material issue, and stock adjustment voucher, material returned to stores, material receipt/issue from/to production unit. This system keeps information of stores in terms and of quality & value and updates purchase order/manufacturing orders depending on the various stock transactions.

**Responsibilities:**

* Developed Mappings & Workflows as per business logic, quality and coding standards prescribed for the module.
* Anticipated and addressed critical issues in a timely and effective manner
* Used Informatica tool to handle complex Mappings and extensively used the various transformations like Source Qualifier, Aggregator, Lookup, Filter, Expression, Sequence Generator, Normalizer, Union and Sorter etc.
* Built Mapplet,Worklets and re-usable transformations.
* Performing reviews on peer developed code in later phases.
* Mentoring and assisting team as SME in later phases.
* Interacting with Client Team on weekly calls on progress and deliveries.
* Performed Informatica and Database level performance tuning.

**Environment:**Informatica 8.1, Windows NT, Oracle 9i/10g