**Madhusha Krothapalli**

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Summary:

* Over 7 years of experience in development and implementation of data-warehouses &data marts with ETL & OLAP technologies using **Informatica Power Center 9.1/8.6, ORACLE 10g/9i, SQL, PL/SQL**both on Windows & UNIX for various Clients in the **Insurance**, **Financial, Healthcare, Pharmaceutical and Automotive industries**
* Extensively worked with various components of the Informatica Power Center– Power Center Designer, Repository Manager, Workflow Manager, and Workflow Monitor to create mappings for the extraction of data from various source systems
* Experience in **debugging** and **performancetuning** of targets, sources, mappings and sessions
* Vast experience in designing and developing complex mappings from varied transformation logic like **Unconnected and Connected lookups, Router, Filter, Expression, Aggregator, Joiner, Update Strategy** etc.,
* Proficient in using **WorkflowManagerTools** like Task Developer, Workflow, Designer and Worklet Designer, Mapplets, Reusable Transformations, Sessions, Batches and scheduled them in the Server manager.
* Worked on Exception Handling Mappings for Data Quality, Data Profiling, Data Cleansing, Data Validation.
* Good exposure in Informatica MDM where data Cleansing, De-duping and Address correction were performed.
* Designed, developed, and deployed well-tuned generic parameterized and custom ETL processes involving complex business logic sourcing data from various heterogeneous sources such as **Teradata** and **Oracle** databases and from flat files.
* Delivered IT documentation and procedures associated with support and new solution delivery.
* Identified opportunities to improve/streamline existing processes for continuous improvement.
* Maintaining strong & collaborative relationships and detailed working knowledge of the assigned area's systems, organization, and business processes.
* Experience in **Unit, System and Integrate Testing** of different process in Data warehouse.
* Through Knowledge in Data Warehousing concepts like Star Schema, Snow Flake Schema, Fact Table, Dimension Table and Dimensional Data Modeling.
* Good Experience in using **SQL and PL/SQL** to create**Stored Procedures, Functions, Packages** and **Triggers**.
* Experience in creating **UNIX shell scripts** to access data and move data from Production to Development and developed UNIX scripts and scheduled ETL Loads.
* Extensive experience in creating complex mappings using various transformation logics and also very good experience in working with **Type 1, Type 2 and Type 3 Slowly Changing Dimensions.**
* Experience in handling job scheduling tools such as **Autosys and Control-M** agent.
* **Effective** interpersonal andcommunications skills (verbal and written) **for technical as well as non-technical audiences.**
* **Excellent team player, short learning curve** and ability to analyze complex problems.

**Technical skills**

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| **Data Warehousing** | Informatica Power Center 9.x/8.x,Informatica MDM, IDQ, Data Profiling, Data cleansing, OLAP, OLTP. |
| **Languages** | SQL, PL/SQL, C, C++, XML, HTML, Visual Basic 6.0 |
| **Operating Systems** | UNIX, Windows XP/2007, LINUX, Sun Solaris |
| **Tools** | PL/SQL, SQL, Developer 2000, Oracle Developer Suite, SQL Plus, Toad 8.x/9.x/10.x, SQL \*Loader, Multi-Load, Teradata SQL Assistant, Erwin |
| **Databases** | Oracle 11g/10g/9i, SQL Server, DB2, Teradata |
| **Job Scheduling** | Autosys, Control-M agent. |
| **BI Tools** | OBIEE, Crystal Reports 8 |

Experience

**AMERIGROUP, Virginia Beach, VA.      Oct’14- Present**

**Position: Informatica Developer**

**Description:**Amerigroup which began as AMERICAID Community Care — was founded in 1994 to meet the needs of families enrolled in publicly funded health care programs.Currently serving approximately 2.8 million members in 12 states nationwide, Together with WellPoint’s affiliated health plans, it serve more than 4.5 million beneficiaries of state-sponsored health plans in 19 states. My role was to bring all the insurance related information regarding the customers into a centralized data warehouse. Involved in designing and developing mappings, by extracting data from various sources such as Oracle, Flat files and DB2, transforming the data and loading the data into the target Data Marts and also creating reports depending upon the business requirements.

**Responsibilities:**

* Involved in Business Analysis and also in designing the technical specifications.
* Analyzed the high level design specifications and transformed them into simple ETL coding.
* Used Informatica Power Center extensively to load data from **flat files to DB2, flat files to SQL Server, flat files to Oracle** and **DB2 to XML files, Teradata to Oracle**.
* Designed and developed Mappings with various transformations such as **Connected and Unconnected Lookup**, **XML Source Qualifier**, **Filter**, **Joiner**, **Router**, **Sorter**, **Expression**, **Aggregator**, and **Uniontransformations**.
* Worked extensively with designer tool to develop Mappings, Mapplets, and Reusable transformations to extract, transform and load the data into database.
* Made use of **AUTOSYS** for monitoring and scheduling the jobs.
* Extensively used **pmcmd** commands to process the workflows.
* Fine tuning the mapping and workflows to optimize the execution time of the workflows.
* Used **Erwin**to create the physical and logical data models and also maintained the relationships between the tables.
* Involved in the **Migration** process from Development, Test and Production Environments.
* Made use of **breakpoints** and various **test conditions** with the help of the **Debugger** tool to test the logic and the validity of the data flows through the mappings.
* Performed end-to-end testing to validate new or updated business processes, customization and configuration, reports, and data migration.

**Environment: Informatica Power Center 9.6, Oracle 11g, LINUX, SQL Developer, Teradata, DB2, XML, Flat files, PL/SQL,SQL Server, AUTOSYS, Erwin, and Windows7.**

**Janssen Pharmaceuticals, New Brunswick**, **NJ Jan14 – Sep 14**

**Role: Informatica Developer**

**Description:** Janssen Pharmaceuticals is a pharmaceutical company of Johnson & Johnson. Janssen pharmaceuticals develop medicines which treat many of the world’s serious and widespread diseases. My project involved in developing a Sales and Orders Data warehouse to analyze their periodic sales details. This project involved extracting data from various sources such as Oracle, Flat files and DB2, transforming the data and loading the data into the target Data Marts and also creating reports depending upon the business requirements.

**Responsibilities:**

* Extracted data from various sources such as **Oracle, Teradata, SQL Server, Flat files and DB2.**
* Developed **complex mappings** involving various transformations such as **Source Qualifier, Sorter transformation, Joiner transformation, Update Strategy, Lookup transformation, Expressions**and**Sequence Generator** for loading the data into the target table.
* Worked extensively with **session parameters, mapping parameters, mapping variables** for **incremental loading.**
* Responsible for identifying the missed records in various stages from source to target and resolving the problem.
* **Developing, testing** and **debugging** the **mappings** in Informatica.
* Solving **load failure issues** on a daily basis.
* Used Informatica Power Center Workflow manager to create sessions, batches to run with the logic embedded in the mappings.
* Created procedures to truncate data in the target before the session.
* Resolved Inconsistent and Duplicate Data to Support Strategic Goals with Multidomain MDM
* Designed and developed **UNIX** and **ORACLE, PL/SQL, Shell Scripts**.
* Provided **documentation** about the ETL processes which were developed for future reference.

**Environment:Informatica Power Center 9.5, MDM, Oracle 10g, Teradata, DB2, SQL Server, Flat files, SQL/PLSQL, UNIX, Shell Scripts, TOAD.**

**ABN AMRO BANK, CHICAGO, IL Jul 12 – Dec 13**

**Role: Informatica Developer**

**Description:PC-NGM CDWH (BASEL II)**: ABN AMRO, one of the leading bankers in the present banking area. The CDWH, A data warehouse for the bank operations and historic data will have an open architecture that allows for changes, allows for incorporation of new business area’s and allows for both central and de-central implementation. The CDWH will use one file-set for data capturing from source systems. Data is populated in the warehouse using ETL tool as Informatica. Data transformation/cleansing are done and data is loaded into the warehouse.

**Responsibilities:**

* Worked with the business and data analysts in requirements gathering and to translate business requirements into technical specifications.
* Created number of complex **Mappings**, **Mapplets**, **Reusable Transformations**, **Workflows**, **Worklets**, **Sessions** using **Informatica Power center 9.1** to implement the business logic and to load the data incrementally.
* Used the transformations like **Expression, Lookup, Source Qualifier, Normalizer, Aggregator, Java, Filter, Router, Sorter,** etc.
* Extracted the data from the **Flat files**, **Excel sheets**, **Mainframe COBOL files**, **SQL server,** and **Oracle** databases into staging area and populated onto Data warehouse.
* Used **Workflow manager** for session management, database connection management.
* Scheduling the sessions to extract, transform and load data in to warehouse database on Business requirements using Active batch scheduling tool.
* Cleansed the data using MDM technique.
* Utilized ofInformatica IDQ 8.6.1 to complete initial data profiling and matching/removing duplicate data.
* Used **Debugger** to test the mappings and fixed the bugs.
* Load **Monthly** and **Daily** loads, track issues and resolve them based on the priority.
* Involved in **Performance tuning** at source, target, mappings, sessions, and system levels.
* Monitor and troubleshoot batches and sessions for weekly and Monthly extracts from various data sources across all platforms to the target database.
* Worked on the **UNIX scripts** for running the workflows and threshold check for the incoming files.
* Scheduled the **UNIX scripts** in **AUTOSYS** for automation.

**Environment: Informatica Power center 9.1,MDM,IDQ 8.6.1, Oracle 9i/10g, UNIX, Autosys, Toad 9.5/10, WinSCP, SQL, PL/SQL, SQL server, Flat files, Mainframe COBOL files, Unix Shell Scripting and Windows XP.**

**Partners HealthCare, Boston Aug ‘11 – Jul’ 12**

**Role: ETL Developer**

**Description:** Partners HealthCare is a not-for-profit health care system that is committed to patient care, research, teaching, and service to the community locally and globally. Collaboration among their institutions and health care professionals is central to its efforts to advance its mission.

**Responsibilities:**

* Worked closely with a project team for gathering the business requirements and interacted with business analysts to translate business requirements into technical specifications
* Creating mappings using a variety of transformations like **Source Qualifier, Lookup (static/dynamic cache, connected/unconnected, persistent/non-persistent cache), Stored Procedures, Routers, Filters, Aggregator, Normalizer, Unions, Update Strategies, Sorters.**
* Extracted large volumes of data from different data sources into staging tables, performing transformations on them before loading into final tables.
* **Performance tuning** of sources, targets, mappings and **SQL** queries in the transformations.
* Developed **PL/SQL procedures, functions** to facilitate specific requirement.
* Updating existing procedures, functions, triggers and packages to synchronize with the changes in Transformations.
* Worked on delimited flat file sources and Extracted data from **DB2** and **Oracle** source systems and loaded into **flat files**.
* Identified and eliminated duplicates in datasets thorough IDQ 8.6.1 components of Edit Distance, Jaro Distance and Mixed Field matcher, It enables the creation of a single view of customers, help control costs associated with mailing lists by preventing multiple pieces of mail.
* Created **Mapping Parameters & Parameter files** in the mappings.
* Used Workflow manager for creating, testing and running sessions and Batches in the workflow.

**Environment: Informatica Power Center 9.1 (Repository Manager, Power Center Designer, Workflow Manager, Workflow Monitor), IDQ 8.6.1, Oracle 10g, DB2, PL/SQL, SQL.**

**Avanex Corporation, Elmira, NY Feb’09 – Aug’11**

**Role: Informatica Developer**

**Description:**Avanex is a leading global provider of Intelligent Photonic Solutions. Avanex meets the needs of fiber optic communication networks by enabling greater capacity, longer distance transmission, improved connectivity, higher speeds and lower cost. Project involved in Developing Enterprise Subject Data warehouse to implement a centralized data base that collects and organizes and stores data from different operational data sources to provide a single source of integrated and historical data for the purpose of reporting, analysis and decision support and to improve the client services.

**Responsibilities:**

* Worked with business analysts to identify appropriate sources for Data warehouse and to document business needs for decision support data
* Extensively worked with the sources which are extracts from Oracle, **TERADATA, flat files and XML files**
* **Star Schema** was used to design the warehouse.
* Worked extensively on Source Analyzer, Mapping Designer, Warehouse Designer and Transformation Developer.
* Developed several Mappings and Mapplets using corresponding Source, Targets and Transformations.
* Extensively used almost all Transformations such as **Filter, Aggregator, Expression, Router, Lookup, Update Strategy, Sequence generator transformations** for developing the mappings to apply the business logic.
* Designed developed and deployed new data marts along with modifying existing marts to support additional business requirements
* Configured and used FTP by the Informatica Server to access source and target files.
* Schedule, Run and Monitor sessions by using Informatica Scheduler.
* Used PL/SQL whenever necessary inside and outside the mappings.
* Involved in writing **SQL Stored procedures and Shell Scripts** to access data from **Oracle**.
* Created launched & scheduled sessions. Involved in the **Performance Tuning** of Informatica mappings.
* Wrote PL/SQL Packages and stored procedures to implement business rules and validations.
* Involved in writing the UNIX scripts to schedule the Informatica workflows, which were in turn used by the scheduling team to schedule the workflows using the **Control-M** agent.
* Worked with testing team for creation of Test environment and introduced them to Informatica Workflow manager and Workflow monitor
* Created Repository folders, User accounts and assigned privileges using Repository Manager.
* Closely interacted with the reporting team which uses Business Objects for reporting team to explain the tables and relation between the tables.

**Environment: Informatica 8.6, ORACLE 10g, windows, UNIX Shell Programming, PL/SQL, SQL, XML, Teradata, TOAD Quest Software, Control- M agent.**

**Volkswagen, Auburn hills, MI                          Nov ‘07 – Jan ‘09**

**Role: ETL Developer**

**Description:**Volkswagen manufactures vehicles in Germany and Mexico. And it distributes it to dealers all over US and Canada. All the information pertaining to dealers such as dealer information, warranty information, labour information etc. is stored in the data warehouse. I worked on the **Dealer coding** project and the **Vehicle In service** project. The dealer project goal was to store all the information of the US and Canada dealers in a centralized database where the users can use it for different business applications. The Vehicle In service project aim is to store all the warranty start dates of the 2009 model VW minivan vehicles in the operational databases.

**Responsibilities:**

* Responsible for design and implementation needed for loading and updating the warehouse.
* Responsible for loading data from source systems like DB2, XML into Oracle tables using various transformation - Expression, Lookup, Source Qualifier, Update Strategy etc.
* Applied business and application knowledge to design the data loads for consistency and integrity.
* Worked with production load standards and error handing.
* Assisted in **performance tuning** by running test sessions.
* Created and facilitated presentations and demonstrations for Informatica**.**
* Scheduled **Informatica workflows** using **Shell Scripts**. Created Tasks, Workflows and Worklets using **Workflow Manager**.
* Created the transformation routines to transform and load the data. Tuned Mappings and Workflows for better performance.
* Defined **Target Load Order Plan** for loading data into **Target Tables.**
* Used **Informatica PowerCenterServer manager** to create sessions, batches to run with the logic embedded in the mappings.
* Used **Informatica power exchange change data capture** option to capture the updates to the existing data.
* Fine-tuned Transformations and mappings for better performance.
* Involved in the process design documentation of the **Data Warehouse Dimensional Upgrades**.
* Worked with analysts and data source systems experts to map requirements to **ETL code**.

**Environment: Informatica 8.6,Oracle 10g, DB2, XML, TOAD, PL/SQL, Shell scripting, Informatica Power Exchange.**

**Education:**

* Bachelor of Engineering.