**Spandana Reddy**

**ETL Informatica Developer**

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**PROFESSIONAL SUMMARY:**

* About 8 years of Software/IT experience in Design, Development, Testing, Implementation, and support of transformations, and loading to process into a corporate-wide ETL solution using Informatica Power Center, Abinitio and Data Warehousing applications.
* Extensive involvement in relational database / data warehouse environment including experience with slowly changing dimensions (SCD), operational data stores, and data marts.
* Proficient in all phases of the software development lifecycle (SDLC) including requirements definition, system implementation, system testing, acceptance testing, production deployment, and production support.
* Data warehousing project experience with sources like DB2, Oracle, Teradata, Flat files, Excel and Mainframes
* Exposure to Design, Development and Implementation of data warehousing projects.
* Experience in designing, development and implementing Extraction, Transformation, and Loading (ETL) techniques on multiple database platforms and operating system environments using Informatica Power Center 10.1/9.x/8.x, Power Exchange, SSIS, SQL, PL/SQL, External Loaders, IDQ and Shell/batch Scripting etc.
* Proficient in interacting with Business Analysts, Users, and Business executives to understand the requirements and come up with innovative and efficient solutions by working with the data modelers and Architects.
* Efficient in performing Data cleansing, Scrubbing and validating the data before loading the data into Data Warehouse.
* Proficient in all phases of the Software development lifecycle (SDLC) using Agile, Waterfall and RUP methodologies.
* Responsible for Informatica MDM 10.2 installation, Upgrade and Administration.
* Worked on Salesforce implementation using Informatica
* Expertise in design and implementation of SCD - Slowly changing dimensions.
* Extensive Experience with databases such as Oracle, DB2 UDB, Microsoft SQL Server, Sybase, Teradata and database clients such as SQL server Management Studio and SQL Developer, SQL navigator, Toad etc.
* Proficient in Data Modeling, E-R diagrams, Logical, Physical design, Star/Snow flake Schemas using Erwin.
* Experience in Trouble shooting and implementing Performance tuning at various levels such as Source, Target, and Mapping, Session, Database and System level in ETL processes.
* Strong Database experience and back-end procedure development in Oracle 11g/10g/9i, MS SQL Server 2005/2008, Sybase, Teradata, DB2, Netezza, etc.
* Expertise in the development of integration mappings such as Type I, Type II, and Type III Slowly Changing Dimensions and implementing incremental loads, and change data capture.
* Proficient in scheduling and Automation of ETL processes with scheduling tools such as Control-M, Autosys and Tidal.
* Working knowledge of other integration tools such as SSIS, Data stage, Abinitio, etc.
* Expertise in OLAP and Reporting tools like Qlik view, SSRS, OBIEE, Micro Strategy, and Cognos, etc.

**Technical Skills:**

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| **ETL Tools** | Informatica Power Center (10.1/9.x/8.x/7.1/6.x/5.x), Power Exchange (Power Connect), BDM, Data Quality(IDQ), Informatica Data Explorer, SSIS, Data stage, Abinitio etc. |
| **Databases** | Oracle 11g/10g/9i, MS SQL Server 2008/2005/2000, MS Access, IBM DB2, Tera Data V12, Siebel CRM, PeopleSoft, Teradata, Sybase, Netezza, DB2, etc. |
| **Data Modeling** | Dimensional Data Modeling, Star Schema Modeling, Snow Flake Modeling, FACT and Dimension Tables, Physical and Logical Data Modeling. |
| **Environments** | UNIX, Windows 2000/XP/7, Windows server 2000/2003, HP-Unix, Linux |
| **Languages:** | C, C++, Java, SQL, PL/SQL, T-SQL, HTML, DHTML, XML, UNIX, Shell Scripting, Visual basic, ASP, JSP, XML, Macromedia Software, JCL. |
| **Tools** | Toad, Visio, SQL developer, ERWIN, MS Office Suite |

**Experience:**

**Sr ETL Informatica Developer**

**Shire Pharmaceuticals, Exton, PA Mar 2017 - Present**

**Roles &Responsibilities:**

* Involved in building out ETL's on the core database platform of the client.
* Analyzed existing process flows and business functionalities and prepared ETL process flow document for Predictive analysis.
* Involved in Migration of **Informatica 9.5 to Informatica 10.1**.
* Involved in conversion of project from Abinitio to Informatica
* Used SQL tools like SQL Server Management Studio to run SQL queries and validate the data in warehouse and mart.
* Worked on Installation, Configuration, upgrades, deployments of Informatica and MDM.
* Worked on data cleansing and standardization using the cleanse functions in Informatica MDM.
* Reviewed data mapping, design documents, Informatica mappings and Unit Test Cases.
* Designed and developed different slowly changing dimension procedures for multiple data extracts based on business requirements
* Extensively worked with Netezza database to implement data cleanup, performance tuning techniques.
* Involved in Informatica MDM Data Director 10.1/10.2 Data Integration concepts in large scale implementation environments
* Configured match rules and trust as per requirements for data matching and merging rules, survivorship criteria and data stewardship workflows that can be deployed in the endorsed MDM tool.
* Extracted data from various centers with the data in different systems like Oracle Database and SQL Server and loaded the data into TERADATA staging using Informatica Power Center 10.1.
* Created jobs to load the data from csv files to oracle tables using Informatica Power Center 10.1. Files are coming from external source and loading them into oracle tables.
* Worked on the mapping document for MDM data loading from new source
* Performed multiple roles such as building extensible, robust, maintainable systems participating in all stages of Software development life cycle using Agile Scrum.
* Involved in troubleshooting issues related to SQL, SSIS.
* Performed the data profiling and analysis making use of Informatica Data Explorer (IDE) and Informatica Data Quality (IDQ).
* Hands on with data prep worksheets in IDL and SQL to Mapping using BDM tool.
* Created BDM parameter sets & parameter files for daily & delta loads.
* Working with Data migration Team to migrate Orders from one system (By design) to another system (OracleEBS).
* Proficient in importing/exporting large amounts of data from files to TERADATA and vice versa.
* Developed the DW ETL scripts using BTEQ, Stored Procedures, Macros in TERADATA
* Migrating code from Dev to QA, QA to UAT and UAT to PROD. Maintaining the version control and release notes in GIT.
* Worked with SQL queries, responsible for data mapping and data cleansing and data validations.
* Performed thorough data validations by writing complex SQL scripts as a part of data analysis and test cycle and identify defects.
* Informatica Power Exchange for Mainframe was used to read/write VSAM files from/to the Mainframe.
* Extracted data from various centers with the data in different systems like Oracle Database and SQL Server and loaded the data into TERADATA staging using Informatica Power Center 10.1.
* Created jobs to load the data from csv files to oracle tables using Informatica Power Center 10.1. Files are coming from external source and loading them into oracle tables.
* Performed routine DBA jobs like Backups. Restores, checking the integrity of the databases, configuring DB Mail and assigning required roles and permissions to the users.

**Environment:** Informatica Power Center 10.1, Power Exchange CDC, AbInitio, Netezza, SalesForce.com (SFDC) , IDQ, BDM, MDM, Oracle, SQL Server 2012, TERADATA, Oracle EBS, PL/SQL, UNIX.

**Sr ETL Informatica Developer**

**Waddell & Reed, Kansas City- KS Aug 2016 – Feb 2017**

**Roles &Responsibilities:**

* Involved in the Informatica server installation and setting up the environment.
* Analyze the data from different sources i.e. Oracle, SQL Server and Flat file and define Data Warehouseand ETL processes.
* Designed the Data Warehouse/ ETL processes using Informatica Power Center to extract, transform and load data from multiple input sources like SQL Server and Oracle to target Oracle database.
* Closely worked with Data Steward Team for designing, documenting and configuring Informatica Data Director for supporting management of MDM data.
* Worked on ETL process for bringing in the data into MDM landing tables.
* Migrated the code from AbInitio to Informatica.
* Performed match/merge and ran match rules to check the effectiveness of MDM on data.
* Involved in extensive DATA validation using SQL queries.
* Worked on Data Quality to ensure same semantic is applied on incoming data and used across all the data marts in the Enterprise-wide Data Warehouse.
* Informatica Power Exchange for Mainframe was used to read/write VSAM files from/to the Mainframe.
* Designed, developed, implemented and maintained Informatica PowerCenter and IDQ application for matching and merging process.
* Utilized of Informatica IDQ to complete initial data profiling and matching/removing duplicate data.
* Rebuilt indexes on tables using various SQL Server commands to reduce fragmentation.
* Design & development of BDM mappings in Hive mode for large volumes of INSERT/UPDATE.
* Worked on pushing existing ETL logic to Hadoop cluster using Informatica BDM tool.
* Performance tuning of SQL queries and stored procedures using SQL Profiler and Index Tuning Wizard.
* Worked with Informatica Data Quality (IDQ) toolkit, Analysis, data cleansing, data matching, data conversion, exception handling, and reporting and monitoring capabilities of IDQ.
* Created numerous scripts with TERADATA utilities BTEQ, MLOAD and FLOAD.
* Used Multiload, Fast Load and Tpump utilities to load to TERADATA database.
* Prepared a detail documentation on the developed Informatica Mappings/Transformations, and Informatica sessions.
* Used Informatica Power Exchange Passport tool to analyze COBOL /Mainframe source data for legacy systems.
* Used Informatica Power Center Session parameters, Mapping variable/parameters and created Parameter files for imparting flexible runs of workflows based on changing variable values.
* Implemented Type II Slowly Changing Dimensions Methodology to keep track of historical data.

**Environment:** Informatica Power Center 9.6, Informatica Power Exchange, AbInitio, MDM, IDQ, BDM, TERADATA, Oracle 11g, SQL, SQL SERVER, PL/SQL & UNIX.

**Sr. Data warehouse Developer / Analyst**

**CFA Institute, Charlottesville, VA Jan 2015 - July 2016**

**Roles &Responsibilities:**

* Involved in all phases of SDLC from requirement gathering, design, development, testing, Production, and support for production environment.
* Defined, configured, and optimized various MDM processes including landing, staging, base objects, foreign-key relationships, lookups, query groups, queries/custom queries, cleanse functions, batch groups and packages using Informatica MDM Hub console.
* Used Informatica Power Center for (ETL) extraction, transformation and loading data from heterogeneous source systems into target database.
* Involved in extracting the data from the Flat Files and Relational databases into staging area.
* Created Stored Procedures for data transformation purpose.
* Involved in the Dimensional Data Modeling and populating the business rules using mappings into the Repository for Data management
* Worked on Informatica Power Center 9x tool - Source Analyzer, Data warehousing designer, Mapping, Designer, Mapplet & Transformations.
* Used Informatica power center and Data quality transformations - Source qualifier, expression, joiner, filter, router, update strategy, union, sorter, aggregator and normalizer, Standardizer, Labeler, Parser, Address Validator (Address Doctor), Match, Merge, Consolidation transformations to extract, transform, cleanse, and load the data from different sources into DB2, Oracle, Teradata, Netezza and SQL Server targets.
* Created and configured workflows, worklets & Sessions to transport the data to target warehouse Oracle tables using Informatica Workflow Manager.
* Worked in building Data Integration and Workflow Solutions and Extract, Transform, and Load (ETL) solutions for data warehousing using SQL Server Integration Service (SSIS).
* Used Teradata Utilities (BTEQ, Multi-Load, and Fast-Load) to maintain the database.
* Build a re-usable staging area in Teradata for loading data from multiple source systems using template tables for profiling and cleansing in IDQ
* Created profile and scorecards to review data quality.
* Actively involved in Data validations and unit testing to make sure data is clean and standardized before loading in to MDM landing tables.
* Actively involved in Exceptional handling process in IDQ Exceptional transformation after loading the data in MDM and notify the Data Stewards with all exceptions.
* Worked on Autosys as job scheduler and used to run the created application and respective workflow in this job scheduler in selected recursive timings.
* Generated PL/SQL and Shell scripts for scheduling periodic load processes.
* Designed and developed UNIX scripts for creating, dropping tables which are used for scheduling the jobs.
* Invoked Informatica using "pmcmd" utility from the UNIX script.
* Wrote pre-session shell scripts to check session mode (enable/disable) before running/ schedule batches.
* Involved in Production support activities like batch monitoring process in UNIX
* Prepared Unit test case documents

**Environment:** Informatica Power Center 9.1, UNIX, Oracle, Linux, Perl, Shell, MDM, IDQ, PL/SQL, Tivoli, Oracle 11g/10g, Teradata 14.0.

**Sr. ETL Developer / Analyst**

**Zimmer Biomet, Warsaw, IN Oct 2013- Dec 2014**

**Roles &Responsibilities:**

* Developed and supported the Extraction, Transformation, and load process (ETL) for data migration using Informatica power center.
* Responsible for Requirement Gathering Analysis and End user Meetings.
* Responsible for converting Functional Requirements into Technical Specifications.
* Extracted data from various heterogeneous sources like Oracle, SQL Server, DB2, Sybase, MS Access and Flat Files.
* Worked on the Informatica Analyst tool for profiling the data and perform validations.
* Developed Re-usable Transformations and Re Usable Mapplets.
* Used various transformations like Lookup, Filter, Normalizer, Joiner, Aggregator, Expression, Router, Update strategy, Sequence generator and XML Generator Transformations in the mappings.
* Used XML spy tool to validate the input source XML files.
* Worked on XML Parser transformation to read the XSD file and build the source definition and accordingly to read the XML source file.
* Worked with Shortcuts across Shared and Non Shared Folders.
* Conceptualized and developed initial and incremental data loads in Informatica using Update strategy transformation.
* Developed Mappings for Type 1 and Type 2 Slowly Changing Dimensions.
* Responsible for Performance Tuning at the Source, Target, Mapping and Session Level.
* Created Pre and Post Session Scripts for checking file existence.
* Responsible for Unit testing and Integration testing of mappings and workflows.
* Documented existing mappings as per standards and developed template for mapping specification document.

**Environment:**Informatica Power Center 9.1, SQL Server 2012/2008, T-SQL, SQL Server management studio, DB2, stored procedures, Netezza, XML, XML spy, Shell Scripts, UNIX, TFS, Quality center, HP Service Manager, ER Studio, Zena scheduling tool.

**Informatica Developer**

**BBVA Compass, Dallas, TX Oct 2011- Sep2013**

**Roles &Responsibilities:**

* Used Informatica Power Center 8.6 for migrating data from various OLTP databases and other applications to the Radar Store Data Mart.
* Worked with different sources like Relational, Mainframe (COBOL), XML, flat files (CSV) loaded the data into Oracle staging.
* Created complex Informatica mappings with extensive use of Aggregator, Union, Filter, Router, Normalizer, Java, Joiner and Sequence generator transformations.
* Created and used parameter files to perform different load processes using the same logic.
* Extensively used PL/SQL for creation of stored procedures and worked with XML Targets, XSD's and DTD's.
* Filtered Changed data using Power exchange CDC and loaded to the target.
* Defined Target Load Order Plan and Constraint based loading for loading data appropriately into multiple Target Tables.
* Used different Tasks (Session, Assignment, Command, Decision, Email, Event-Raise, Event-Wait and Control) in the creation of workflows.
* Utilized the new utility Informatica Data Quality (IDQ) and Informatica Data Explorer (IDE) that came up with Informatica Version 8.
* Performed performance tuning of source level, target level, mappings and session.
* Involved in modifying already existing UNIX scripts and used them to automate the scheduling process.
* Coordinated with testing team to make testing team understand business and transformation rules being used throughout ETL process.

**Environment:** Informatica Power Center 8.6, Informatica Exchange, Oracle 10g, XML, UNIX, PL/SQL, Windows 2000/XP, Autosys.

**Informatica Developer**

**Client: KPI Partners, Bangalore, India Sep 2010-June 2011**

**Roles &Responsibilities:**

* Developed ETL jobs to extract information from Enterprise Data Warehouse.
* Extensively used ETL to load data from different relational databases, XML and flat files.
* Used ETL, Informatica Repository Manager to create repositories and users, to give permissions to the users.
* Created Mappings using Mapping Designer to load the data from various sources using different transformations like Aggregator, Expression, Filter, Lookup, Router, Sequence Generator, Source Qualifier, and Update Strategy transformations.
* Used mapping designer to generate different mappings for different loads.
* Created different source definitions to extract data from flat files and relational tables for Informatica Power Center.
* Created stored procedures, packages, triggers, tables, views, synonyms, and test data in Oracle.
* Implemented Slowly Changing Dimensions.
* Created Process Flow for mappings and sessions.
* As a part of daily loading into the warehouse, used UNIX shell scripting to triggers the workflows in a particular order.
* Involved in coding UNIX shell scripting to execute pre/post session commands.
* Involved in unit testing and documenting the jobs and work flows.
* Installed and maintained the Failover Clustering Architecture for SQL Server databases for mission critical applications.
* Implemented SQL Logins, Roles and Authentication Modes as a part of Security Policies.
* Monitoring SQL server performance using SQL Profiler to find performance issues and deadlocks.
* Involved in installation of the patches and Service packs for the SQL Server 2012.

**Environment:** Informatica Power Center 8.6, Oracle 10g, MS SQL Server 2012, Unix, Shell scripting and SQL, PL/SQL.

**Informatica Developer**

**Client: Standard Chartered Bank, Hyd, India June 2009-Aug 2010**

**Roles & Responsibilities:**

* Interacted with business analysts and translate business requirements into technical specifications.
* Using Informatica Designer, developed mappings, which populated the data into the target.
* Used Source Analyzer and Warehouse Designer to import the source and target database schemas and the mapping designer to map the sources to the targets.
* Responsibilities included designing and developing complex Informatica mappings including Type-II slowly changing dimensions.
* Worked extensively on Workflow Manager, Workflow Monitor and Worklet Designer to create, edit and run workflows, tasks, shell scripts.
* Developed complex mappings/sessions using Informatica Power Center for data loading.
* Enhanced performance for Informatica session using large data files by using partitions, increasing block size, data cache size and targetbased commit interval.
* Extensively used aggregators, lookup, update strategy, router and joiner transformations.
* Developed the control files to load various sales data into the system via SQL\*Loader.
* Extensively used TOAD to analyze data and fix errors and develop.
* Involved in the design, development and testing of the PL/SQL stored procedures, packages for the ETL processes.
* Developed UNIX Shell scripts to automate repetitive database processes and maintained shell scripts for data conversion.

**Environment:** Informatica Power Center, Oracle 9i, PL/SQL, TOAD, UNIX, Control-M.