**Varun Reddy**

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**PROFESSIONAL SUMMARY**

* Over 6 years of Strong expertise in using ETL Tool Informatica Power Center 7.1/8.x/9.x (Designer, Workflow Manager, Repository Manager, Data Quality (IDQ)) and ETL concepts.
* Extensive experience with Data Extraction, Transformation, and Loading (ETL) from disparate data sources like Multiple Relational Databases (Teradata, Oracle, SQL SERVER, DB2), VSAM and Flat Files
* Experience in working with data quality (IDQ).
* Strong experience with Informatica tools using real-time Change Data Capture and MD5.
* Performed the data profiling and analysis making use of Informatica Data Quality (IDQ).
* Worked with various transformations like Normalizer, expression, rank, filter, group, aggregator, lookups, joiner, sequence generator, sorter, SQLT, stored procedure, Update strategy, Source Qualifier, Transaction Control, JAVA, Union, CDC etc.,
* Worked with Teradata utilities like Fast Load and Multi Load and Tpump and Teradata Parallel transporter and highly experienced in Teradata SQL Programming.
* Experienced in Teradata Parallel Transporter (TPT). Used full PDO on Teradata and worked with different Teradata load operators.
* Designing and developing Informatica mappings including Type-I, Type-II, Type-III slowly changing dimensions (SCD).
* Experienced in using advanced concepts of Informatica like push down optimization (PDO).
* Validating data files against their control files and performing technical data quality checks to certify source file usage.
* Very good in data modeling knowledge in Dimensional Data modeling, Star Schema, Snow-Flake Schema, FACT and Dimensions tables.
* Experienced in writing SQL, PL/SQL programming, Stored Procedures, Package, Functions, Triggers, Views, Materialized Views.
* Experience in Performance Tuning and Debugging of existing ETL processes.
* Experience in working with Power Exchange to process the VSAM files.
* Good hands on experience in writing UNIX shell scripts to process Data Warehouse jobs.
* Coordinating with Business Users, functional Design team and testing team during the different phases of project development and resolving the issues.
* Good skills in defining standards, methodologies and performing technical design reviews.
* Good communication skills, interpersonal skills, self-motivated, quick learner, team player.

**TECHNICAL SKILLS**

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| ETL Tools | Informatica PowerCenter 9.6/8.x, Informatica PowerExchange9.6/8.x, Informatica Data Quality 9.x |
| Languages | C, C++, SQL, PL/SQL, HTML, XML,UNIX Shell Scripting |
| Methodology | Agile RUP, SCRUM, Waterfall |
| Databases | Oracle 11g/10g, SQL Server […] DB2, Teradata 14/13, UDB DB2, Sybase |
| Operating Systems | Windows NT, 2003, 2007, UNIX, Linux |
| IDEs | PL/SQL Developer, TOAD, Teradata SQL Assistant |
| Modelling Tool | Erwin 9.1/7.2, MS Visio |
| Scheduling Tools | Control-m, Autosys |
| Big Data Technologies | Hadoop / Big Data Cloudera, HDFS, HBaase, Spark, Scala, Hive, Pig, Flume, No SQL, Map Reduce, Reporting Tableau 9.2, Cognos 9/8 |
| Others Tool | JIRA, Notepad++, Teradata SQL Assistant, Teradata view point, MS office, T-SQL, TOAD, SQL Developer, XML Files, Ice scrum, Control-M, Autosys, GitHub, ORACLE ERP, PUTTY, SharePoint, SVN, Selenium |

**Work Experience**

**Client: Vantiv, Cincinnati, OH Jan 2017 – Till Date**

**Title: Informatica/ ETL developer**

**Responsibilities:**

* Analyze business requirements, technical specification, source repositories and physical data models for ETL mapping and process flow.
* Worked extensively with mappings using expressions, aggregators, filters, lookup, joiners, update strategy and stored procedure transformations.
* Extensively used Pre-SQL and Post-SQL scripts for loading the data into the targets according to the requirement.
* Developed mapping to load Fact and Dimension tables, for type 1 and type 2 dimensions and incremental loading and unit tested the mappings.
* Extracted data from a web service source, transform data using a web service, and load data into a web service target.
* Experience in real time Web Services which performs a lookup operation using key column as input and provided response with multiple rows of data belonging to key.
* Used Web Service Provider Writer to send Flat file target as attachments and also for sending email from within a mapping.
* Coordinate and develop all documents related to ETL design and development.
* Involved in designing the Data Mart models with ERwin using Star schema methodology.
* Used repository manager to create repository, user's groups and managed users by setting up privileges and profile.
* Used debugger to debug the mapping and correct them.
* Performed Database tasks such as creating database objects (tables, views, procedures, functions).
* Responsible for debugging and performance tuning of targets, sources, mappings and sessions.
* Optimized the mappings and implementing the complex business rules by creating re-usable transformations and Mapplets.
* Involved in writing BTEQ, MLOAD and TPUMP scripts to load the data into Teradata tables.
* Optimized the source queries in order to control the temp space and added delay intervals depending upon the business requirement for performance
* Used Informatica workflow manager for creating, running the Batches and Sessions and scheduling them to run at specified time.
* Executed sessions, sequential and concurrent batches for proper execution of mappings and set up email delivery after execution.
* Preparing Functional Specifications, System Architecture/Design, Implementation Strategy, Test Plan & Test Cases.
* Implemented and documented all the best practices used for the data warehouse.
* Improving the performance of the ETL by indexing and caching.
* Created Workflows, tasks, database connections, FTP connections using workflow manager.
* Responsible for identifying bugs in existing mappings by analyzing data flow, evaluating transformations and fixing bugs.
* Code walks through with team members.
* Developed stored procedures using PL/SQL and driving scripts using Unix Shell Scripts.
* Created UNIX shell scripting for automation of ETL processes.
* Used UNIX for check in's and check outs of workflows and config files in to the Clearcase.
* Automated ETL workflows using Control-M Scheduler.
* Involved in production deployment and later moved into warranty support until transition to production support team.
* Experience in monitoring and reporting issues for the Daily, weekly and Monthly processes. Also, work on resolving issues on priority basis and report it to management.

**Environment:** Informatica Power Center 9.6.1, IDQ 9.6.1, Oracle 11g, Teradata 14.1.0, Teradata SQL Assistant, MSSQL Server 2012, DB2, Erwin 9.2, DAC Scheduler, Putty, Shell Scripting, Clearcase, Putty, WinSCP, Notepad++, JIRA, Control-M V8, Hyperion Server, OBIEE Reporting.

**Client: Deutsche Bank - Jersey City, NJ Mar 2015 – Dec 2016**

**Title: Informatica/ ETL developer**

**Responsibilities:**

* Co-ordination from various business users' stakeholders and SME to get Functional expertise, design and business test scenarios review, UAT participation and validation of data from multiple.
* Created Mappings using Mapping Designer to load the data from various sources, using different transformations like Source Qualifier, Expression, Lookup (Connected and Unconnected), Aggregator, Update Strategy, Joiner, Filter, and Sorter transformations.
* Extensively worked on Mapping Variables, Mapping Parameters, Workflow Variables and Session Parameters.
* Worked on Power Center Designer tools like Source Analyzer, Warehouse Designer, Mapping Designer, Mapplet Designer and Transformation Developer.
* Used Debugger within the Mapping Designer to test the data flow between source and target and to troubleshoot the invalid mappings.
* Worked on SQL tools like TOAD and SQL Developer to run SQL Queries and validate the data.
* Scheduled Informatica Jobs through Autosys scheduling tool.
* Created quick Filters Customized Calculations, Conditional formatting for various analytical reports and dashboards.
* Studying the existing system and conducting reviews to provide a unified view of the program.
* Involved in creating Informatica mappings, mapplets, worklets and workflows to populate the data from different sources to warehouse.
* Created Global Prompts, Narrative Views, Charts, Pivot Tables, Compound layouts to design the dashboards.
* Responsible to facilitate load testing and bench marking the developed product with the set performance standards.
* Used MS Excel, Word, Access, and Power Point to process data, create reports, analyze metrics, implement verification procedures, and fulfill client requests for information.
* Used Teradata utility like BTEQ, FLOAD MLOAD and TPUMP scripts to load the data into Teradata tables.
* Involved in testing the database using complex SQL scripts and handled the performance issues effectively.
* Involved in Onsite & Offshore coordination to ensure the completeness of Deliverables.

**Environment:** Informatica PowerCenter 8.6.1/8.1.1, Cognos 9, SQL Server 2008, IDQ 8.6.1, Oracle 11g, PL/SQL, TOAD, Putty, Autosys Scheduler, UNIX, Teradata 13, Erwin 7.5, ESP, WinScp.

**Client: Diamler Financial Services, Detroit, MI Aug 2014 - Feb 2015**

**Title: Informatica Developer**

**Responsibilities:**

* Gathering requirements and implement them into source to target mappings.
* Experience in integration of data sources like SQL server and MS access and non-relational sources like flat files into staging area.
* Designing custom reports via SQL Reporting Services to align with requests from internal account teams and external Clients.
* Designed and developed Technical and Business Data Quality rules in IDQ (Informatica Developer) and created the Score Card to present it to the Business users for a trending analysis(Informatica Analyst)
* Effectively worked on Mapping Designer, Workflow Manager, and Workflow Monitor.
* Extensively used Sequence Generator in all mappings and fixed bugs / tickets raised in production for existing mappings in common folder for new files through versioning (Check in and Check out) on an urgency through support for QA in component unit testing and validation.
* Used shortcuts for sources, targets, transformations, mapplets, and sessions to reuse objects without creating multiple objects in the repository and inherit changes made to the source automatically.
* Integrated Informatica Data Quality (IDQ) with Informatica Power Center and Created POC data quality mappings in Informatica Data Quality tool and imported them into Informatica Power center as Mappings, Mapplets
* Applied slowly changing Dimensions Type I and Type II on business requirements.
* Extensively worked on performance tuning and also in isolating header and footer in single file.
* Working with large amounts of data independently executing data analysis, utilizing appropriate tools and techniques (Interpreting results and presenting them to both internal and external client.
* Writing SQL queries to create end-user reports /Developing SQL Queries and stored procedures in support of ongoing work and application support.
* Designing and executing test scripts and test scenarios, reconciling data between multiple data sources and systems.
* Involved in requirement gathering, Design, testing, project coordination and migration.
* Project planning and scoping, facilitating meetings for project phases, deliverables, escalations and approval. Ensure adherence to SDLC and project plan.
* Worked on Multidimensional Models and created Reports in Report Studio using Cubes as a data sources.
* Effectively understood session error logs and used debugger to test mapping and fixed bugs in DEV in following change procedures and validation.
* Raised change requests, analyzed and coordinated resolution of program flaws and fixed them in DEV and Pre-Production environments, during the subsequent runs and PROD.
* Perform analysis profiling on existing data and identify root causes for data inaccuracies, Impact Analysis and recommendation of Data Quality.
* Precisely documented mappings to ETL Technical Specification document for all stages for future reference.
* Scheduled jobs for running daily, weekly and monthly loads through control-M for each workflow in a sequence with command and event tasks.
* Created requirement specifications documents, user interface guides, and functional specification documents, ETL technical specifications document and test case.
* Used most of the transformations such as the Aggregators, Filters, Routers, Sequence Generator Update Strategy, Rank, Expression, lookups (connected and unconnected), Mapping Parameters, Session parameters, Mapping Variables and Session Variables.
* Responsible for studying the existing data warehouse and also working on migrating existing PL/SQL packages, stored procedures, triggers and functions to Informatica Power Center.
* Fine-tuned ETL processes by considering mapping and session performance issues.
* Responsible for Creating workflows and worklets. Created Session, Event, Command, Control, Decision and Email tasks in Workflow Manager.
* Maintained the proper communication between other teams and client.

**Environment:** Informatica Power Center 8.1, SQL, PL/SQL, UNIX, Shell Scripting, SQL Server 2008, Sybase, Oracle 11g, DB2, Control-M, Cognos 8.4.

**Client: National Payments Corporation of Mumbai, India June 2011 – Dec 2013**

**Title: Informatica Developer**

**Responsibilities:**

* Involved in full life cycle development including Design, ETL strategy, troubleshooting, Reporting, and identifying facts and dimensions.
* Reviewing the requirements with business, doing regular follow ups and obtaining sign offs.
* Worked on different tasks in Workflows like sessions, events raise, event wait, decision, e-mail, command, worklets, Assignment, Timer and scheduling of the workflow.
* Created sessions, configured workflows to extract data from various sources, transformed data, and loading into data warehouse.
* Moving the data from source systems to different schemas based on the dimensions and fact tables by using the slowly changing dimensions (SCD) type 2 and type 1.
* Used Debugger to test the mappings and fixed the bugs.
* Used various transformations like Filter, Expression, Sequence Generator, Source Qualifier, Lookup, Router, Rank, Update Strategy, Joiner, Stored Procedure and Union to develop robust mappings in the Informatica Designer.
* Done analysis of Source, Requirements, existing OLTP system and identification of required dimensions and facts from the Database.
* Tuning Informatica Mappings and Sessions for optimum performance.
* Developed various mapping by using reusable transformations.
* Prepared the required application design documents based on functionality required.
* Designed the ETL processes using Informatica to load data from Oracle, Flat Files (Fixed Width and Delimited) to staging database and from staging to the target Warehouse database.
* Worked on database connections, SQL joins, cardinalities, loops, aliases, views, aggregate conditions, parsing of objects and hierarchies.
* Responsible for monitoring all the sessions that are running, scheduled, completed and failed. If the session fails debug the Mapping.
* Involved in testing Unit and integration Testing of Informatica Sessions, Batches, fixing invalid Mappings
* Defined the program specifications for the data migration programs, as well as the necessary test plans used to ensure the successful execution of the data loading processes.
* Developed and executed scripts to schedule loads, for calling Informatica workflows using PMCMD command.
* Worked on Dimensional Data Modeling using Data modeling tool Erwin.
* Populated Data Marts and did System Testing of the Application.
* Built the Informatica workflows to load table as part of data load.
* Wrote Queries, Procedures and functions that are used as part of different application modules.
* Implemented the best practices for the creation of mappings, sessions and workflows and performance optimization.
* Created Informatica Technical and mapping specification documents according to Business standards.

**Environment:** Informatica Power Center 8.1, IDQ 8.1, Oracle 10g, Toad, SQL Developer, UNIX