**Devi Prasad**

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**Professional Summary:**

* Data analyst/ETL Informatica expert with around 7+ years of total IT experience. Operating as a Data analyst /ETL expert in a wide variety of projects and is skilled in analysis/design/implementation surrounding package enabled business transformation ventures.
  + Experience in Information Technology with a strong background in Database development and strong ETL skills for Data warehousing using Informatica.
  + Worked with various ETL tools in data warehousing projects including IBM Infosphere Datastage SQL Server SSIS, and Informatica.
  + Superior SQL skills and ability to write and interpret complex SQL statements and also skillful in SQL optimization and ETL debugging and performance tuning .
  + Expert in creating SQL Queries, PL/SQL package, function, stored procedure, Ref Cursors, triggers, and cursors. Extensive experience using IBM Infosphere Datastage to build complex Data Transformations and building reusable job components using runtime column propagation (RCP), simplifying the job flows.
  + Experience in developing of on-line transactional processing (OLTP), operational data store (ODS) and decision support system (DSS) (e.g., Data Warehouse) databases.
  + Experience in Inmon and Kimball data warehouse design and implementation methodologies
  + Experience in SQL and PL/SQL tuning and query optimization tools like SQL Trace, Explain Plan, and DBMS\_PROFILER.
  + Strong familiarity with master data and metadata management and associated processes
  + Hands-on knowledge of enterprise repository tools, data modeling tools, data mapping, tools, data profiling tools, and data and information system life cycle methodologies.
  + Experience with dimensional modeling and architecture experience implementing proper data structures for analytical reporting from an enterprise data warehouse.
  + Implemented Change Data Capture (CDC) with Informatica Power Exchange.
  + Used Informatica Power Exchange to access VSAM files also worked on Flat files, JSON and XML files
  + Well versed with data quality features like Analyst, IDD & transformation like Key Generator, Standardizer, Case Converter, Match, Consolidation etc.
  + Applied Address transformation for Address Validation and Standardization.
  + Strong in implementation of data profiling, documenting Data Quality metrics like Accuracy, completeness, duplication, validity, consistency.
  + Good skills in analyzing trend charts from score cards to analyze the threshold which is to be considered in further development
  + Have good skills on understanding and development of business rules for its Standardization, Cleanse and Validation of data in various formats.
  + Very strong knowledge of Informatica Data Quality transformations like Address validator, Parser, Labeler, Match, Exception, Association, Standardizer and other significant transformations.
  + Hands on experience in configuration, management and development of big data solutions using IBM BIGINSIGHTS and HORTONWORKS distributions.
  + Extensively worked on Informatica Power center transformations as well like Expression, Joiner, Sorter, Filter, Router and other transformations as required.
  + Very strong knowledge on end to end process of Data Quality requirements and its implementation.
  + Good experience on Data Warehouse Concepts like Dimension Tables, Fact tables, Slowly Changing Dimensions, DataMart's and Dimensional modeling schemas.
  + Experience in Data modeling; Dimensional modeling and E-R Modeling and OLTP AND OLAP in Data Analysis. Very familiar with SCD1 and SCD2 in snowflake schema and star schema.
  + Experience in Extraction, Transformation and Loading (ETL) data from various data sources into Data Marts and Data Warehouse using Informatica power center components (Repository Manager, Designer, Workflow Manager, Workflow Monitor and Informatica Administration Console).
  + Strong Experience in developing Sessions/Tasks, Worklets and Workflows using Workflow Manager tools -Task Developer, Workflow & Worklet Designer.
  + Experience in performance tuning of Informatica mappings and sessions to improve performance for the large volume projects.
  + Experience in debugging mappings, identified bugs in existing mappings by analyzing the data flow and evaluating transformations.
  + Good experience in writing UNIX shell scripts, SQL scripts for development, automation of ETL process, error handling and auditing purposes.
  + Experience in AWS (Amazon Web Services), S3 Bucket and Redshift (AWS Relational Database).
  + Expertise on Agile Software Development process.
  + Extensive experience of providing IT services in Retail, Healthcare, Financial and Health care industries.
  + Strong Knowledge of Hadoop Ecosystem (HDFS, HBaase, Scala, Hive, Pig, Flume, NoSQL etc.) and Data modelling in Hadoop environment.

**Technical Expertise:**

* ETL Informatica PowerCenter10.0.1, 9.5.1, 9.0, 8.1.1,SAP Data Services 4.2
* Data Profiling Tools Informatica IDQ […] 8.6.1
* ETL Scheduling Tools Control M, ESP.
* RDBMS DB2, Oracle 11g/12c, SQL Server […] MySQL, PostgreSQL
* Data Modeling ER (OPLTP) and Dimensional (Star, Snowflake Schema);
* Data Modeling Tools Erwin 9.3/7.5
* UNIX Shell scripting
* Reporting Tools SAP BOBJ 4.2,Tableau 9, Cognos 8x/9x
* Defect Tracking Tools Quality Center
* Operating Systems Windows […] UNIX
* Source Management BitBucket, Visual SourceSafe
* Cloud Computing Amazon Web Services (AWS), S3, Redshift
* Programming Languages C, C++, PL/SQL
* Other Tools Notepad++, Toad, SQL Navigator, Teradata SQL Assistant, JIRA, Rally

**Professional Experience:**

**Walgreens, Chicago, IL April 2017 – Till Date**

**Sr. ETL Informatica developer**

**Responsibilities:**

* Extensively Worked with Business Users to gather, verify and validate various business requirements.
  + Identified various source systems, connectivity, tables to ensure data availability to start the ETL process.
  + Developed jobs in IBM InfoSphere Parallel Extender PX using different stages like Transformer,Aggregator, Lookup, SCD, Join, Merge, Modify, Remove Duplicate, Sort, Peek, Change capture, Filter, Copy, Sequential File, Data Set, etc.
  + Worked as Data modeler and created Data model for warehouse and involved in ODS and DataMart data models.
  + Worked as Data analyst to analyze the source systems data.
  + Informatica Cloud development and support.
  + Actively engage in building robust ETL solution using Informatica Cloud to harness the best practices.
  + Created Design Documents for source to target mappings. Developed mappings to send files daily to AWS.
  + Used UNIX scripting to apply rules on the raw data within AWS.
  + Used Redshift within AWS.
  + Created Complex mappings using Unconnected and Connected Lookup, Aggregator and Router transformations for populating target table in efficient manner.
  + Created Stored procedures to use oracle generated sequence number in mappings instead to using Informatica Sequence generator.
  + Created complex Mappings and implemented Slowly Changing Dimensions (Type 1, Type 2 and Type 3) for data loads.
  + Created complex Mappings to implement data cleansing on the source data.
  + Used Mapping Variables, Mapping Parameters and Session Parameters to increase the re-usability of the Mapping.
  + Created source to target mappings, edit rules and validation, transformations, and business rules. Analyzed client requirements and designed the ETL Informatica mapping.
  + Scheduled and Run Workflows in Workflow Manager and monitored sessions using Informatica Workflow Monitor.
  + Tuned performance of Informatica session for large data files by increasing block size, data cache size, sequence buffer length and target based commit interval.
  + Validated and tested the mappings using Informatica Debugger, Session Logs and Workflow Logs.
  + Created detail Unit test plans and performed error checking and testing of the ETL procedures using SQL queries, filtering out the missing rows into flat files at the mapping level.
  + Used Ultra Edit tool and UNIX Commands to create access and maintain the session parameter files, data files, scripts on the server.
  + Used CUCUMBER automated test tool to automate the unit tests for Informatica ETL.
  + Followed and automated the Acceptance Test Driven Development (ATDD) and Test Driven Development (TDD) for unit tests for Informatica ETL.
  + Scheduled the ETLs using ESP scheduler.

**Environment**: Informatica Power Center 9.6.1, Oracle 11g, SAP Business Objects 4.2, Tableau 9.2, AWS, Redshift, DB2, IBM Infosphere,Flat files, SQL, IBM Biginsights, putty,  IBM DB2 UDB,UltraEdit-32, shell scripting, Toad, Quest Central, UNIX scripting, Windows NT.

**NationWide, Columbus, OH Jan 2016 – March 2017  
ETL Informatica developer**

**Responsibilities:**

* Extensively Worked with Data Modeler, Data Analysts and Business Users to gather, verify and validate various business requirements.
  + Identified various source systems, connectivity, tables to ensure data availability to start the ETL process.
  + Worked with IBM Live Audit to capture data changes in the source
  + Created Design Documents for source to target mappings
  + Created Workflows, Tasks, database connections, FTP connections using Workflow Manager.
  + Developed mappings to get the SAP source data
  + Involved in analysis and selection of strategic enterprise wide tools including ETL tools like IBM Datastage and Data Cleansing tool like Qualitystage.
  + Extensively developed various Mappings using different Transformations like Source Qualifier, Expression, Lookup (connected and unconnected), Update Strategy, Aggregator, Filter, Router, Joiner etc
  + Used Workflow Manager for Creating, Validating, Testing and running the workflows, sessions and scheduling them to run at specified time.
  + Created pre-session and post-session shell commands for performing various operations like sending an email to the business notifying them about any new dealer branches.
  + Providing the Architecture/Domain knowledge to Report developer for the creation of Dashboards and Reports.
  + Performed Fine tuning of SQL overrides for performance enhancements and tuned Informatica mappings and sessions for optimum performance.
  + Extensively worked with Look up Caches like Shared Cache, Persistent Cache, Static Cache and Dynamic Cache to improve the performance of the lookup transformations.
  + Created Source definitions and Flat File Target definitions using the Informatica
  + Used UNIX commands (Vi Editor) to perform the DB2 load operations.
  + Worked on developing application with Amazon Lambda and Elastic Beanstalk.
  + Created detail Unit test plans and performed error checking and testing of the ETL procedures using SQL queries, filtering out the missing rows into flat files at the mapping level.
  + Scheduled the ETLs using ESP scheduler.

**Environment**: Informatica Power Center 8.6.1/8.1.1, Oracle 11g, TOAD, SAP BOBJ 4.0,4.1, Tableau 9.2, UNIX, Autosys, SQL\*Loader, PowerCenter Mapping Architect for Visio, IBM Live Audit, Sybase Power Designer, IBM DB2, Flat files, SQL, putty, UltraEdit-32, shell Programming, Toad, Quest Central.

**American Express, Phoenix, AZ March 2014 – Dec 2015 Informatica Developer**

**Responsibilities:**

* Involved in the requirements definition and analysis in support of Data Warehousing efforts.
  + Worked on ETL design and development, creation of the Informatica source to target mappings, sessions and workflows to implement the Business Logic.
  + Created Informatica mappings with PL/SQL Procedures/Functions to build business rules to load data
  + Used most of the transformations such as the Source qualifier, Aggregators, Lookups, Filters, Sequence and Update strategy, Router.
  + Extensive knowledge and worked with Informatica Data Quality (IDQ 8.6.1) for data analysis, data cleansing, data validation, data profiling and matching/removing duplicate data.
  + Designed and developed Informatica DQ Jobs, Mapplets using different transformation like Address validator, matching, consolidation, rules etc. for data loads and data cleansing.
  + Preparation of technical specification for the development of Extraction, Transformation and Loading data into various stage tables.
  + Scheduled and Run Workflows in Workflow Manager and monitored sessions using Informatica Workflow Monitor.
  + Validated and tested the mappings using Informatica Debugger, session logs and workflow logs.

**Environment**: Informatica PowerCenter 8.6.1, Informatica Data Quality (IDQ 8.6.1), SQL Server, Oracle 11g, Flat files, MySQL, Teradata 13, WinSCP, Notepad++, Toad, Quest Central, UNIX scripting, Windows NT.

**STRATEGIC IT SOLUTIONS INC, IND May 2010 - October 2013**

**Informatica Developer**

**Responsibilities:**

* Assisted to prepare design/specifications for data Extraction, Transformation and Loading
  + Developed Informatica mappings, enabling the extract, transport and loading of the data into target tables.
  + Created Workflow, Worklets and Tasks to schedule the loads at required frequency using Workflow Manager.
  + Prepared reusable transformations to load data from operational data source to Data Warehouse.
  + Wrote complex SQL Queries involving multiple tables with joins.
  + Scheduled and Run Workflows in Workflow Manager and monitored sessions using Informatica Workflow Monitor.
  + Used debugger, session logs and workflow logs to test the mapping and fixed the bugs.
  + Analyzed the dependencies between the jobs and scheduling them accordingly using the Work Scheduler.
  + Improved the performance of the mappings, sessions using various optimization techniques.

**Environment:** Informatica 8.1, OBIEE, Erwin, Oracle 10g, SQL Server 2008, Flat files, SQL, putty, UltraEdit-32, shell Programming, Toad, SQL Developer, UNIX scripting, Windows NT.