**Krishna Manda**

[krishna.infetl@gmail.com](mailto:krishna.infetl@gmail.com)

318-582-0666

**SUMMARY:**

* ETL Developer with over 7+ years of IT experience in various phases of business applications such as analysis, design, deployment and testing in the field of Data Warehousing using Informatica (ETL) in an OLAP and OLTP environment.
* Extensive experience in implementation of Data Warehousing, Data Marts, Star and Snowflake  Schema, Dimensional Modeling on OLTP and OLAP concepts
* Hard working results-oriented professional team player with good communication skills and quest for excellence.
* Proficient in SQL Server and T- SQL (DDL and DML) in constructing Tables, Normalization techniques on database Tables.
* Have extensively worked in developing ETL for supporting Data Extraction, transformations and loading using Informatica Power Center.
* Extensive experience in developing complex Stored Procedures, Functions, Triggers, Views, Cursors, Indexes, CTE's, Joins and Sub queries with T- SQL.
* Well acquainted with Informatica Designer Components - Source Analyzer, Warehouse Designer, Transformation Developer, Mapplet and Mapping Designer.
* Worked extensively with complex mappings using different transformations like Source Qualifiers, Expressions, Filters, Joiners, Routers, Union, Unconnected / Connected Lookups and Aggregators.
* Strong Experience in developing Sessions/tasks, Worklets, Workflows using Workflow Manager Tools - Task Developer, Workflow & Worklet Designer.
* Experience with Type 1, Type2, Type3 Dimensions.
* Experience with slowly changing dimension methodology and slowly growing targets methodologies.
* Experience in using the Informatica command line utilities like pmcmd to execute workflows in non-windows environments.
* Extensively used Informatica Repository Manager and Workflow Monitor.
* Experience in debugging mappings. Identified bugs in existing mappings by analyzing the data flow and evaluating transformations.
* Hands on experience in Performance Tuning of sources, targets, transformations and sessions.
* Good experience in documenting the ETL process flow for better maintenance and analyzing the process flow.
* Worked with Stored Procedures, Triggers, Cursors, Indexes and Functions.

**TECHNICAL SKILLS:**

**ETL Tools/Packages:** Informatica Power Center 9.5/9.1/8.6/7.X

**Reporting Tools:** Cognos 10 & Informatica Power Analyzer 4.0  
**Data Modeling Tools:** ER Studio, Erwin   
**Querying Tools:** SQL Query Analyzer 2000, Microsoft Query, SQL

Developer, SQL Advantage, SQL\*PLUS, File-Aid/MVS, Toad  
**Database:** Oracle 11g/10g/9i/8i, DB2 z/OS, Sybase, SQL server 2008 R2   
**Scheduling Tools:** Workflow Manager, ESP, Control-M  
**Languages:** SQL, PL/SQL, UNIX, C, C++  
**Operating System:** Windows NT/2000/XP, UNIX, Windows 7, Windows 8, 8.1

**MS Products:** MS Visio, MS Project, MS office Suite, MS SharePoint

**PROFESSIONAL EXPERIENCE:**

**Kaiser Permanente Health Insurance, Pasadena, CA Apr’ 2014 – Till Date**

**Role: ETL Developer**

Kaiser Permanente has a long history as a provider of insurance and healthcare services throughout the US. They offer health care insurance for majority of the people in US. It gets its claims data from all these states and validates them to HIPAA 5010 EDI standards and sends back the accepted records and acknowledgements to those particular states.

**Responsibilities:**

* Designed the ETL Architecture for the process flow from the source to target along with automation in writing wrapper shell scripts.
* Using Informatica Power Center 9.1.0 extracting the data from the externally received files and loading the data into the data mart.
* Involved in Performance Tuning at various levels including Target, Source, Mapping, and Session for large data files.
* Did Informatica mapping specification documents for the mappings developed and documented them according to Business standards.
* Created ETL SSIS packages both design and code to process data to target databases.
* Used various Transformations in SSIS Dataflow, Control Flow using for loop Containers.
* Developed complex T- SQL queries and designed SSIS packages to load the data into warehouse.
* Handling the data with the Change Data Capture Slowly Changing dimension type I & Type II.
* Worked with Business Users in understanding the requirements.
* Assisted the Oracle PL/SQL developer to guide a group of junior developers to finish projects. Hold projects daily check in meeting to synchronize the process of each project and corporate the developers with each other according to the priority of the projects.
* Documented the requirement specifications and created source to target mapping documents.
* Created mappings using the Transformations like Source qualifier, Aggregator, Expression, lookup, Router, Filter, Rank, Sequence Generator, and Update Strategy.
* Created Mapplets, reusable transformations and used them in different mappings.
* Used Debugger wizard to remove bottlenecks at source level, transformation level, and target level for the optimum usage of sources, transformations and target loads.
* Used database objects like Views and Stored Procedures for accomplishing Complex logical situations.
* Involved in Unit testing, System testing to check whether the data loading into target are accurate, which was extracted from different source systems according to the user requirements.
* Involved in performance tuning and optimization of Informatica mappings and sessions using features like Session Partitioning, setting DTM Buffer Size and Cache Calculation (Data/Index cache) to manage very large volume of data.
* Worked with DBA’s in tuning SQL queries using Execution Plan, Partitioned tables, compressed tables and Purged the data periodically.
* Documented the code for better understanding for production support team in the event of production failure also for better maintenance and analyzing the process flow.
* Actively participated in Design Reviews and Code Reviews to follow Standards and Best Practices.

**Environment:** Informatica Power center 9.1.0, Power exchange, DB2 on AIX, Netezza, Toad, SQL server, Win 7, T- SQL, SQL Server 2008 R2, Oracle 11g.

**WellPoint Insurance, Richmond VA                Aug’12 – Feb’ 14**

**Role: ETL/Informatica Developer**

WellPoint Inc. is one of the largest Health benefits companies in the United States.  The company  delivers a number of leading health benefits solutions through a broad portfolio of integrated health care plan and related services along with the a wide range of specialty product such as life and disability Insurance benefits, dental vision etc. By their nationwide networks.

**Responsibilities:**

* Providing production support/Maintenance for the client’s data warehouse giving 24/7 EDWARD Lights ON Production Support.
* Interact with business users to analyze the production issues and create permanent fixes.
* Write UNIX Shell scripts and automate/monitor daily/weekly/monthly scheduled jobs.
* Fixing high priority production issues and support daily/weekly/monthly running jobs.
* Responsible for data analysis and data modeling based on the business Process/performance Improvement of the data warehouse.
* Involved in writing project documentationWorked on Informatica tools, Source Analyzer, Mapping Designer, Workflow Manager and Workflow Monitor.
* Worked with Master SSIS packages to execute a set of packages that load data from various sources onto the Data Warehouse on a timely basis.
* Experience with SSIS performance tuning using counters, error handling, event handling, re-running of failed SSIS packages using checkpoints.
* Various kinds of transformations were used to implement simple and complex business logic.
* The mappings involved extensive use of transformations like Filter, Router, Expression, and Union.
* Used Lookup Transformation to access data from tables, which are not the source for mapping.
* Build Session, Worklets/Workflow, Create/Modify Parameter File.
* Solely responsible for the daily, weekly, biweekly, Monthly and Quarterly loads and handling the reject data.
* Changed some stored procedures in Oracle as per the Business Requirements.
* Used workflow manager and workflow monitor to run and monitor jobs.
* Extensively worked with flat files and excel sheet data sources. Wrote batch scripts to automate flat file transportation local to Informatica server.
* Worked on different tasks in Workflows like sessions, events raise, event wait, decision, e-mail, command, Worklets, Assignment, Timer and scheduling of the workflow.
* Analyzing the source data and deciding on appropriate extraction, transformation and load strategy.
* Developed a number of complex ETL mappings and reusable transformations for daily data loads.
* Developed mapping parameters and variables to support SQL override.
* Designed and developed table structures, stored procedures and functions to implement business rules.
* Extensively involved in debugging the Existing PL\SQL Object.
* Generated PL/SQL and Shell scripts for scheduling periodic load processes.

**Environment:** Oracle, Teradata, Teradata SQL Assistant, T-SQL, Outlook, Putty, MLOAD, Fast Load, Fast Export, WLM Manager, TSRM Tool, Clear Case, Informatica Power Center.

**EQT Corporation, Pittsburgh, PA      Jan’ 11 – July’ 12**

**Role: ETL/Informatica Developer**

EQT Corporation is an integrated energy company, supplying natural gas, crude oil, and gas related services to the customers. The main objective of the project was to help the decision making team of the organization, to monitor/improve the sales and to explore avenues for new business opportunities. DW team is responsible for building Global Data Warehouse and providing reports for Production and Midstream groups. Worked on four capital projects EPC BI, EQUITRANS BI, EGC BI and ETRM BI. The data is extracted from Flat files, Oracle, SQL and DB2 into the Operational Data Source (ODS) and the data from Operational Data Source was extracted, transformed and applied business logic to load them in the Global Data Warehouse Using Informatica Power Center 8.6 tools.

**Responsibilities:**

* Interacted with Data Modelers and Business Analysts to understand the requirements and the impact of the ETL on the business.
* Designed ETL specification documents for all the projects.
* Created Tables, Keys (Unique and Primary) and Indexes in the SQL server.
* Extracted data from Flat files, DB2, SQL and Oracle to build an Operation Data Source. Applied business logic to load the data into Global Data Warehouse.
* Extensively worked on Facts and Slowly Changing Dimension (SCD) tables.
* Maintained source and target mappings, transformation logic and processes to reflect the changing business environment over time.
* Used various transformations like Filter, Router, Expression, Lookup (connected and unconnected), Aggregator, Sequence Generator, Update Strategy, Joiner, Normalizer, Sorter and Union to develop robust mappings in the Informatica Designer.
* Designed high level ETL (Extraction Transformation Loading) architecture for overall data transfer from the OLTP to OLAP with the help of SSIS Business Intelligence Development Studio.
* Created SSIS Packages using Pivot Transformation, Fuzzy Lookup, Derived Columns, Condition Split, Aggregate, Execute SQL Task, Data Flow Task, Execute Package Task etc to generate underlying data for the reports and to export cleaned data from Excel Spreadsheets, Text file, MS Access and CSV files to data warehouse.
* Involved in SSIS development to extract data from third parties and populate into the table.
* Scheduled SSIS packages by creating the corresponding job tasks.
* Implemented Event Handlers and Error Handling in SSIS packages and notified process results to various user communities.
* Migrated DTS packages to SQL Server Integration Services (SSIS) using package migration wizard.
* Extensively used the Add Currently Processed Flat File Name port to load the flat file name and to load contract number coming from flat file name into Target.
* Worked on complex Source Qualifier queries, Pre and Post SQL queries in the Target.
* Worked on different tasks in Workflow Manager like Sessions, Events raise, Event wait, Decision, E-mail, Command, Worklets, Assignment, Timer and Scheduling of the workflow.
* Extensively used workflow variables, mapping parameters and mapping variables.
* Created sessions, batches for incremental load into staging tables and scheduled them to run daily.
* Used shortcuts to reuse objects without creating multiple objects in the repository and inherit changes made to the source automatically.
* Implemented Informatica recommendations, methodologies and best practices.
* Implemented performance tuning logic on Targets, Sources, Mappings and Sessions to provide maximum efficiency and performance.
* Involved in Unit, Integration, System, and Performance testing levels.
* Written documentation to describe program development, logic, coding, testing, changes and corrections.
* Migrated the code into QA (Testing) and supported QA team and UAT (User).
* Created detailed Unit Test Document with all possible Test cases/Scripts.
* Conducted code reviews developed by my team mates before moving the code into QA.
* Provided support to develop the entire warehouse architecture and plan the ETL process.
* Modified existing mappings for enhancements of new business requirements.
* Prepared migration document to move the mappings from development to testing and then to production repositories.
* Involved in production support.
* Works as a fully contributing team member, under broad guidance with independent planning & execution responsibilities.

**Environment:** Informatica Power Center 8.6, Oracle 10g, SQL Server 2008, IBM I Series (DB2), MS Access, Windows XP, Toad, Tidal, Cognos 8.4.1., SQL developer.

**AIG, NEW YORK, NY    May’09 – Nov’10**

**Role: Informatica Developer**

AIG is an American multinational insurance corporation. AIG Property Casualty provides insurance products for commercial, institutional and individual customers. AIG Life and Retirement provides life insurance and retirement services in the United States. UGC focuses on mortgage guaranty insurance and mortgage insurance. AIG also focuses on global capital markets operations, direct investment and retained interests. The project was to build a data warehouse for operational and strategic reporting. The objective is to integrate different source systems into homogeneous environment to build Enterprise Data Warehouse. The four subject areas Membership, Claims, Capitation and Provider. This project implemented ETL process in two layers, ODS and Enterprise Data Warehouse.

**Responsibilities:**

* Actively Participated in collecting user requirements.
* Involved in drafting Software Requirement Specification for the project.
* Developed High Level Technical Design specification and Low-level Design based on business requirements.
* Drove the development of the logical and physical data models, ETL programs/scripts, metadata definitions, schedules, work processes, and maintenance procedures
* Prepared database DDL scripts for create, delete, alter table.
* Created ETL specifications describing the mapping logic for developers.
* Identified bottlenecks in source, target, mapping, session and resolved them by implementing better logic and/or database object/query optimization.
* Involved in performance tuning and optimization of Informatica mappings and sessions using features like partitions and data/index cache to manage very large volumes of data.
* Monitoring Production system, performed complex defect fixes in various environments like UAT, SIT etc. to ensure the proper delivery of the developed mapping into the production environment.
* Oversaw the design of the data and technical architecture for the data warehouse.
* Evaluate the Change Data Design, including slowly changing dimensions and Operational Data Store Design.
* Prepared time estimates and tracked each task against the estimated task and assisted in keeping project delivery deadline.
* Document all ETL related work per company's methodology.
* Worked with the testers closely in determining both medium and high severity defects, and also fixed the defects before moving into production.
* Worked along with UNIX team for writing UNIX shell scripts to customize server job schedules.
* Co-ordinated with Off-Shore team in India.
* Documented the process for maintenance of the project and for production support.
* Prepared the Standard Operating Procedure (Knowledge Transfer) document, which provides necessary information, required for the Maintenance and Operation of the application.
* Actively involved in production support. Implemented fixes/solutions to issues/tickets raised by user community.

**Environment:** Informatica Power Center7.x, Oracle 10g, Pl/Sql, Visio, Erwin, Windows, UNIX Shell Scripts, AIX.

**Applabs Technology Pvt Ltd, India Feb’ 07 – Mar’ 09  
Role: ETL/Informatica Developer**

AppLabs Technologies Pvt. Ltd. provides software testing and quality management services. The data warehouse is used for continual modeling of offers and sale trends based on past customer selections and profit margins. Various data marts were created and implemented for sales, offers, product selection, Supply Chain management and accounting. Solution involves thorough analysis and design of the client’s product hierarchy, offer structures, pricing models, geographic information of the customers’, inventory management.

**Responsibilities:**

* Responsible for designing and developing of mappings, mapplets, sessions and work flows for load the data from source to target database using Informatica Power Center and tuned mappings for improving performance.
* Performed Informatica Admin role by creating new repositories, users and groups.
* Involved in ETL process from development to testing and production environments.
* Extracted date from various sources like Flat files, Oracle and loaded it into Target systems using Informatica 7.x.
* Developed mappings using various transformations like update strategy, lookup, stored procedure, router, joiner, sequence generator and expression transformation.
* Used Informatica Power Center Workflow Manager to create sessions, batches to run with the logic embedded in the mappings.
* Tuned mappings and SQL queries for better performance and efficiency.
* Performed Unit testing and validated the data.
* Created & Ran shell scripts in UNIX environment.
* Created and ran the Workflows using Workflow manager in Informatica Maintained stored definitions, transformation rules and targets definitions using Informatica repository manager.
* Created tables and partitions in database Oracle.

**Environments:** Power Center 7.x, Oracle, SQL developer, MS Access, Windows XP.