

**Sr. Talend ETL Developer
Prashanth**

PROFESSIONAL SUMMARY:

- Around 6 years of IT experience in **Analysis, Design, Developing and Testing and Implementation** of business application systems.
- Highly skilled ETL Engineer with experience of software development in tools like **Informatica/Talend**.
- Strong experience in the **Analysis, design, development, testing and Implementation of Business Intelligence** solutions using **Data Warehouse/Data Mart Design, ETL, OLAP, BI, Client/Server applications**.
- Experience on **Talend ETL Enterprise Edition for Big data/Data integration**.
- Experience in Big Data technologies like **Hadoop/Map Reduce, Pig, HBASE, Hive**.
- Experienced in **ETL methodology** for performing **Data Migration, Data Profiling, Extraction, Transformation and Loading** using **Talend** and **designed data conversions** from large variety of sourcesystems including **Oracle 10g/9i/8i/7.x, DB2, Netezza, SQL server, Teradata, Hive, and non-relational sources** like **flat files, XML and Mainframe files**.
- Involved in code **migrations** from **Dev. to QA** and providing operational instructions for deployments.
- Expertise in creating mappings in **TALEND** using **tMap, tJoin, tReplicate, tParallelize, tConvertType, , tflowtolterate, tAggregate, tSortRow, tFlowMeter, tLogCatcher, tRowGenerator, tNormalize, tDenormalize, tSetGlobalVar, tHashInput, tHashOutput, tJava, tJavarow, tAggregateRow, tWarn, tMysqlScd, tFilter, tGlobalmap, tDie etc**
- Strong Data Warehousing **ETL** experience of using **Informatica 9.x/8.x/7.x Power Center Client tools - Mapping Designer, Repository manager, Workflow Manager/Monitor and Server tools – Informatica Server, Repository Server manager**.
- Expertise in **Data Warehouse/Data mart, ODS, OLTP and OLAP** implementations teamed with project scope, **Analysis, requirements gathering, data modeling, Effort Estimation, ETL Design, development, System testing, Implementation and production support**.
- Expertise in Using transformations like **Joiner, Expression, Connected and Unconnected lookups, Filter, Aggregator, Store Procedure, Rank, Update Strategy, Java Transformation, Router and Sequence generator**.
- Experienced on writing **Hivequeries** to load the data into **HDFS**.
- Experienced on designing **ETL process** using **Informatica Tool** to load from Sources to Targets through data Transformations.
- Strong experience in Dimensional Modeling using **Star and Snow Flake Schema, Identifying Facts and Dimensions, Physical and logical data modeling** using **ERwin and ER-Studio**.
- Expertise in working with relational databases such as **Oracle 12c/11g/10g/9i/8x, SQL Server 2012/2008/2005, DB2 8.0/7.0, UDB, MS Access and Teradata, Netezza**.
- Extensive experience in developing **Stored Procedures, Functions, Views and Triggers, Complex SQL queries** using **SQL Server, TSQL and Oracle PL/SQL**.
- Experienced in integration of various data sources like **Oracle SQL, PL/SQL, Netezza, SQL server and MS access into staging area**.
- Experienced in resolving on-going maintenance issues and bug fixes; monitoring **Informatica** sessions as well as performance tuning of mappings and sessions.
- Experienced in all phases of Data warehouse development from requirements gathering for the data warehouse to develop the code, Unit Testing and Documenting.
- Extensive experience in writing **UNIX shell scripts** and automation of the **ETL processes** using **UNIX shell scripting**, and also used **NetezzaUtilities** to load and execute **SQL** scripts using **Unix**

- Proficient in the Integration of various data sources with multiple relational databases like **Oracle12c/11g /Oracle10g/9i, MS SQL Server, DB2, Teradata, VSAM files and Flat Files into the staging area, ODS, Data Warehouse and Data Mart.**
- Extensively worked with **Netezza database** to implement data cleanup, performance tuning techniques
- Experienced in using Automation Scheduling tools like **Autosys and Control-M.**
- Experience in **data migration** with data from different application into a single application.
- Responsible for **Data migration** from **mySQL Server** to **Oracle** Databases
- Experienced in batch scripting on windows and worked extensively with slowly changing dimensions.
- Hands-on experience across all stages of Software Development Life Cycle (**SDLC**) including business requirement analysis, data mapping, build, unit testing, system integration and user acceptance testing.

Technical Skills:

Operating Systems:	Windows 2008/2007/2005/NT/XP, UNIX, MS-DOS
ETL Tools:	Talend, TOS, TIS, Power Center 9.x/8.x/7.x/6.x (Designer, Workflow Manager, Workflow Monitor, Repository manager and Informatica Server), SSIS, Ab-Initio.
Databases	Oracle 12c/11g/10g/9i/8i, MS SQL Server 2012 /2008/2005, DB2 v8.1, Netezza, Teradata, Hbase.
Methodologies	Data Modeling – Logical Physical Dimensional Modeling - Star / Snowflake
Languages	SQL, PL/SQL, UNIX, Shell scripts, C++, SOAP UI, JSP, Web Services, Java Script, HTML, Eclipse
Scheduling Tools	Autosys, Control-M,TIC,TAC,Tivoli.
Testing Tools	QTP, WinRunner, LoadRunner, Quality Center, Test Director, Clear test, Clear case.

Professional Experience: -

Client: Tractor Supply Company
Brentwood TN Feb 18 – Current
Role: Sr. ETL/Talend Developer(DI)

Responsibilities:

- Design and developed end-to-end ETL process from various source systems to Staging area, from staging to Data Marts.
- Analyzing the source data to know the quality of data by using Talend Data Quality.
- Broad design, development and testing experience with Talend Integration Suite and knowledge in Performance Tuning of mappings.

- Developed jobs in Talend Enterprise edition from stage to source, intermediate, conversion and target.
- Involved in writing SQL Queries and used Joins to access data from Oracle, and MySQL.
- Used tStatsCatcher, tDie, tLogRow to create a generic joblet to store processing stats.
- Solid experience in implementing complex business rules by creating re-usable transformations and robust mappings using Talend transformations like tConvertType, tSortRow, tReplace, tAggregateRow, tUnite etc.
- Developed Talend jobs to populate the claims data to data warehouse - star schema.
- Developed mappings to load Fact and Dimension tables, SCD Type 1 and SCD Type 2 dimensions and Incremental loading and unit tested the mappings.
- Used tStatsCatcher, tDie, tLogRow to create a generic joblet to store processing stats into a Database table to record job history.
- Integrated java code inside Talend studio by using components like tJavaRow, tJava, tJavaFlex and Routines.
- Experienced in using debug mode of talend to debug a job to fix errors. Created complex mappings using tHashOutput, tHashInput, tNormalize, tDenormalize, tMap, tUniqueRow. tPivotToColumnsDelimited, etc.
- Used tRunJob component to run child job from a parent job and to pass parameters from parent to child job.
- Created Context Variables and Groups to run Talend jobs against different environments.
- Used tParalleize component and multi thread execution option to run subjobs in parallel which increases the performance of a job.
- Implemented FTP operations using Talend Studio to transfer files in between network folders as well as to FTP server using components like tFileCopy, TFileArchive, tFileDelete, tCreateTemporaryFile, tFTPDelete, tFTPCopy, tFTPRename, tFTPput, tFTPGet etc.
- Experienced in Building a Talend job outside of a Talend studio as well as on TAC server.
- Experienced in writing expressions with in tmap as per the business need. Handled insert and update Strategy using tmap. Used ETL methodologies and best practices to create Talend ETL jobs.
- Extracted data from flat files/ databases applied business logic to load them in the staging database as well as flat files.

Environment: Talend6.4,6.2,5.6,Oracle11g,SQLAssistant,Tidal,TAC,TIC,PL/SQL,ShellScript AutoSys, SVN,JIRA,GIT.

Client: ConnectiveRX Whippany,NJAUG2017 – JAN 2018
Role: Sr. ETL/Talend Developer(DI)

Responsibilities:

- Involved in building the **ETL architecture** and Source to Target mapping to load data into Data warehouse.
- Performed data manipulations using various **Talend** components like **tMap**, **tJavaRow**, **tjava**, **tOracleRow**, **tOracleInput**, **tOracleOutput**, **tMSSQLInput** and many more.
- Designed and customized data models for **Data warehouse** supporting data from multiple sources on real time
- Designed **ETL process** using **Talend** Tool to load from Sources to Targets through data Transformations.
- Developed advanced **Oracle** stored procedures and handled **SQL** performance tuning.
- Involved in creating the mapping documents with the transformation logic for implementing few enhancements to the existing system.
- Monitored and supported the **Talend** jobs scheduled through **Talend AdminCenter (TAC)**
- Developed the **Talend mappings** using various transformations, Sessions and Workflows. Teradata was the target database, Source database is a combination of **Flat files**, **Oracle tables**, **Excel files** and **Teradata database**.
- Loaded data in to **Teradata** Target tables using **Teradata** utilities (**FastLoad**, **MultiLoad**, and **FastExport**) Queried the Target database using **Teradata SQL** and **BTEQ** for validation.
- Used **Talend** to Extract, Transform and Load data into **Netezza** Data Warehouse from various sources like **Oracle** and **flat files**.
- Created connection to databases like **SQL Server**, **oracle**, **Netezza** and application connections.
- **Involved in Dimensional modeling (Star Schema) of the Data warehouse and used Erwin to design the business process, dimensions and measured facts.**
- Responsible for developing, support and maintenance for the **ETL (Extract, Transform and Load)** processes using **Talend**.
- Maintained stored definitions, transformation rules and targets definitions using **Informatica repository Manager**.
- **Used various transformations like Filter, Expression, Sequence Generator, Update Strategy, Joiner, Stored Procedure, and Union to develop robust mappings.**
- Developed **mapping parameters** and **variables** to support **SQL** override.
- Developed **Talend ESB** services and deployed them on **ESB** servers on different instances.
- Created **mapplets & reusable transformations** to use them in different mappings.
- Developed mappings to load into staging tables and then to Dimensions and Facts.
- Developed the **Talend** jobs and make sure to load the data into **HIVE tables & HDFS files** and develop the **Talend** jobs to integrate with **Teradata** system from **HIVE** tables
- Worked on different tasks in Workflows like **sessions**, **events raise**, **event wait**, **decision**, **e-mail**, **command**, **worklets**, **Assignment**, **Timer** and **scheduling** of the workflow.
- Unit testing, code reviewing, moving in **UAT and PROD**.
- Designed the **Talend ETL** flow to load the data into hive tables and create the **Talend** jobs to load the data into **Oracle** and **Hive** tables.
- Migrated the code into **QA (Testing)** and supported **QA team** and **UAT (User)**.
- Created detailed **Unit Test Document** with all possible **Test cases/Scripts**.

- Working with high volume of data and tracking the performance analysis on **Talend** job runs and session.
- Conducted code reviews developed by my team mates before moving the code into **QA**.
- Experience in Batch scripting on windows, **Windows 32** bit commands, Quoting, Escaping.
- Used **Talend** reusable components like **routines, context variable and globalMap variables**.
- Provided support to develop the entire warehouse architecture and plan the **ETL** process.
- Knowledge on **Teradata** Utility scripts like **FastLoad, MultiLoad** to load data from various source systems to **Teradata**.
- Modified existing mappings for enhancements of new business requirements.
- Worked on **Migration** projects to **migrate data** from **data warehouses** on **Oracle/DB2** and migrated those to **Netezza**.

Environment: Talend 6.1, TOS, TIS, Hive, Pig, Hadoop 2.2, Sqoop, PL/SQL, Oracle 12c/11g/, Erwin, Autosys, SQL Server 2012, Teradata, Netezza, Sybase, SSIS, UNIX, Profiles, Role hierarchy, Workflow & Approval processes, Data Loader, Reports, Custom Objects, Custom Tabs, Data Management, Lead processes, Record types.

Client: Extreme Networks ,Raleigh NC

FEB 2016 – July 2017

Role: Talend Developer

Responsibilities:

- Designed the Data model and Load strategy to get data from different systems and create a Data Lake for TCS Aviation.
- Created Talend jobs to populate the data into dimensions and fact tables.
- Created Talend jobs to load data into various Oracle tables. Utilized Oracle stored procedures and wrote few
- Created Hive tables, partitions and implemented incremental imports to perform ad-hoc queries on structured data.
- Java code to capture global map variables and used them in the job.
- Created Talend jobs to copy the files from one server to another and utilized Talend FTP components.
- Designed, developed and improved complex ETL structures to extract transform and load data from multiple data sources into data warehouse and other databases based on business requirements.
- Used tStatsCatcher, tDie, tLogRow to create a generic joblet to store processing stats and responsible for Pre and Post migration planning for optimizing Data load performance, capacity planning and user support.
- Troubleshooting, debugging & fixing Talend specific issues, while maintaining the health and performance of the ETL environment.

- Performed migration of mappings and workflows from Development to Test and to Production Servers.
- Supported team using Talend as ETL tool to transform and load the data from different databases.
- Utilized Big Data components such as tSqoopExport, tSqoopImport, tHDFSInput, tHDFSOutput, tHiveLoad, tHiveInput, tPigLoad, tPigFilterRow, tPigFilterColumn, tPigStoreResult,, tHbaseInput, tHbaseOutput along with executing the jobs in Debug mode and also utilizing the tlogrow component to view the sample output.
- Developed MapReduce programs in Java for parsing the raw data and populating staging Tables
- Schedule Big Data Job execution from the Talend Administration Center (TAC) and enriching logs.
- Developed mappings to load Fact and Dimension tables, SCD Type 1 and SCD Type 2 dimensions and Incremental loading and unit tested the mappings.
- Used tStatsCatcher, tDie, tLogRow to create a generic joblet to store processing stats into a Database table to record job history.
- Experienced in using debug mode of talend to debug a job to fix errors.
- Created complex mappings using tHashOutput, tHashInput, tNormalize, tDenormalize, tMap, tUniqueRow. tPivotToColumnsDelimited, etc.
- Implemented FTP operations using Talend Studio to transfer files in between network folders as well as to FTP server using components like tFileCopy, TFileAcrhive, tFileDelete, tCreateTemporaryFile, tFTPDelete, tFTPCopy, tFTPRename, tFTPput, tFTPGet etc.

Environment: Talend Enterprise Big Data 6.3.1, Data stage, Putty, GitHub, Teradata SQL Assistant,Sql Developer,Oracle.

TIAA BANK, Jacksonville, FL

AUG 2015 - JAN 2016

Role: ETL Talend Developer(DI)

Responsibilities:

- Implemented File Transfer Protocol operations using Talend Studio to transfer files in between network folders.
- Experienced in fixing errors by using debug mode of Talend.
- Created complex mappings using tHashOutput, tMap, tHashInput, tDenormalize, tUniqueRow. tPivotToColumnsDelimited, tNormalize etc.
- Schedule the Talend jobs with Talend Admin Console, setting up best practices and migration strategy.
- Created Context Variables and Groups to run Talend jobs against different environments like Dev, Test and prod.

- Design and developed end-to-end ETL process from various source systems to Staging area, from staging to Data Marts.
- Experienced in creating a generic joblet by using tDie, tLogRow, tStatsCatcher to store processing stats into a Database table to the record job history.
- Experienced in integrating java code inside Talend studio by using tJavaRow, tJavaRow, tJavaFlex and Routines.
- Developed mappings to load Fact and Dimension tables, SCD Type 1 and SCD Type 2 dimensions and Incremental loading and unit tested the mappings.
- Experienced in writing SQL Queries and used Joins to access data from Oracle, and MySQL.
- Broad design, development and testing experience with Talend Integration Suite and knowledge in Performance Tuning of mappings.
- Developed jobs in Talend Enterprise edition from stage to source, intermediate, conversion and target.
- To run sub jobs in parallel, used tParalleize component and multi thread execution. These components are useful to increase job performance.
- Troubleshooting, debugging & altering Talend particular issues, while maintaining the health and performance of the ETL environment.

Environment: Talend Big 6.0.1/5.5, Oracle 11i, XML files, Flat files, JSON, 2.4.1, HDFS, Map Reduce, Hive 0.13, FileZilla 3.18.0, Talend Administrator Console, IMS, Agile Methodology.

Oxygenio Software Solutions, Hyderabad, IN

May 2014- July 2015

Role: SQL Developer

Responsibilities:

- Database design and development including **Tables, Primary and Foreign Keys, Indexes** and **Stored Procedures**.
- Generated **SQL and PL/SQL scripts** to install create and drop database objects, including tables, views, primary keys, indexes, constraints, packages, sequences, grants and synonyms.
- Maintained a series of **UNIX Shell Scripts** to manage batch order processing.
- Database performance monitoring and identifying bottlenecks hindering the performance of the database.
- Involved in performance tuning using with **TKPROF**.
- Tune SQL statements using hints for maximum efficiency and performance, create and Maintain/modify **PL/SQL Packages**, mentor others with the creation of complex **SQL Statements**, perform data modeling and create/maintain and modify complex database **Triggers and Data Migration** scripts.
- Created changes in the database according new requirements (new tables in the existing database and fields in the existing tables).
- Constructed and implemented multiple-table links requiring complex join statements, including **Outer-Joins** and **Self-Joins**.

- Developed Shell scripts for job automation and daily backup.
- Documentation of the business process through Designer.
- Created, debugged, and modified **Stored Procedures, Triggers, Tables, Views** and **User-Defined Functions**.

Environment: Oracle 11g, Oracle 9i, SQL Developer, SQL Loader, TOAD, UNIX, Sun Solaris.