

Sr. ETL/ Talend Developer Sr. ETL/ Talend Developer Sr. ETL/ Talend Developer - Northern Trust
Richmond, VA 8+ years of experience in IT Industry involving Software Analysis, Design, Implementation, Coding, Development, Testing and Maintenance with focus on Data warehousing applications using ETL tools like Talend 6.3 and IBM InfoSphere DataStage 9.1. 3+ years of experience using Talend Integration Suite (6.x/5.x) / Talend Open Studio (6.x/5.x) and 2+ years of experience with Talend Admin Console (TAC). Experience working with Data Warehousing Concepts like Kimball/Inmon methodologies, OLAP, OLTP, Star Schema, Snow Flake Schema, Logical/Physical/ Dimensional Data Modeling. Experienced in working with Horton works distribution of Hadoop, HDFS, MapReduce, Hive, Impala, Sqoop, Flume, Pig, HBase, and MongoDB

Experience in dealing with structured and semi-structured data in HDFS. In depth understanding of the Gap Analysis i.e., As-Is and To-Be business processes and experience in converting these requirements into Technical Specifications and Test Plans. Highly Proficient in Agile, Test Driven, Iterative, Scrum and Waterfall software development lifecycle. Extensively used ETL methodology for performing Data Profiling, Data Migration, Extraction, Transformation and Loading using Talend and designed data conversions from wide variety of source systems including Netezza, Oracle, DB2, SQL server, Teradata, Hive, non-relational sources like flat files, XML and Mainframe Files. Experience in analyzing data using HiveQL and Pig Latin in HDFS. Extracted data from multiple operational sources for loading staging area, Data warehouse, DataMarts using SCDs (Type 1/Type 2/ Type 3) loads. Extensively created mappings in TALEND using tMap, tJoin, tReplicate, tParallelize, tConvertType, tFlowToIterate, tAggregate, tSortRow, tFlowMeter, tLogCatcher, tRowGenerator, tNormalize, tDenormalize, tSetGlobalVar, tHashInput, tHashOutput, tJava, tJavaRow, tAggregateRow, tWarn, tLogCatcher, tMySQLScd, tFilter, tGlobalmap, tDie etc. Extensive experience in using Talend features such as context variables, triggers, connectors for Database and flat files like tMySQLInput, tMySQLConnection, tOracle, tMSSqlInput, tMSSqlOutput, tMSSqlrow, tFileCopy, tFileInputDelimited, tFileExists. Experience in using cloud components and connectors to make API calls for accessing data from cloud storage (Google Drive, Salesforce, Amazon S3, DropBox) in Talend Open Studio. Experience in

creating Joblets in TALEND for the processes which can be used in most of the jobs in a project like to Start job and Commit job. Experience in monitoring and scheduling using AutoSys, Control M & Job Conductor (TalendAdmin Console) and using UNIX (Korn & Bourne Shell) Scripting. Expertise in creating sub jobs in parallel to maximize the performance and reduce overall job execution time with the use of parallelize component of Talend in TIS and using the Multithreaded Executions in TOS. Experienced in creating Triggers on TAC server to schedule Talend jobs to run on server. Strong experience in Extraction, Transformation, loading (ETL) data from various sources into Data Warehouses and Data Marts using DataStage versions 9.1, 8.7, 8.1. Designed jobs in DataStage 9.1, 8.7 using stages like Transformer, sequential, Aggregator, Data Set, File Set, Remove Duplicates, Sort, Join, Merge, Lookup, Funnel, Copy, Modify, Filter, Change Data Capture, Surrogate Key, External Source, External Target, Compare and Schedule jobs through UNIX shell scripts. Strong hands on experience using Teradata utilities like SQL Assistant, B-TEQ, FastLoad, MultiLoad, Fast Export, and TPUMP. Authorized to work in the US for any employer Work Experience Sr. ETL/ Talend Developer Northern Trust - Chicago, IL October 2016 to Present Responsibilities:- Worked with Data mapping team to understand the source to target mapping rules. Analyzed the requirements and framed the business logic and implemented it using Talend. Involved in ETL design and documentation. Analyzed and performed data integration using Talend open integration suite. Worked on the design, development and testing of Talend mappings. Created ETL job infrastructure using Talend Open Studio. Load and transform data into HDFS from large set of structured data / Oracle/Sql server using Talend Big data studio. Used Big Data components (Hive components) for extracting data from hive sources. Wrote HiveQL queries using joins and implemented in tHiveInput component. Utilized Big Data components like tHiveInput, tHiveOutput, tHDFSOutput, tHiveRow, tHiveLoad, tHiveConnection, tOracleInput, tOracleOutput, tPreJob, tPostJob, tLogRow. Worked on Talend components like tReplace, tmap, tsort and tFilterColumn, tFilterRow, tJava, tJavaRow, tConvertType etc. Used Database components like tMSSQLInput, tMsSqlRow, tMsSqlOutput, tOracleOutput, tOracleInput etc. Worked with various File components like tFileCopy, tFileCompare, tFileExist, tFileDelete,

tFileRename. Worked on improving the performance of Talend jobs. Created triggers for a Talend job to run automatically on server. Worked on Exporting and Importing of Talend jobs. Created jobs to pass parameters from child job to parent job. Exported jobs to Nexus and SVN repository. Implemented update strategy on tables and used tJava, tJavarrow components to read data from tables to pull only newly inserted data from source tables. Observed statistics of Talend jobs in AMC to improve the performance and in what scenarios errors are causing. Created Generic and Repository schemas. Developed project specific Deployment job responsible to deploy Talend jar files on to the windows environment as a zip file, later, this zip file is unzipped and the files are again deployed to the UNIX box. Also, this deployment job is responsible to maintain versioning of the Talend jobs that are deployed in the UNIX environment. Developed shell scripts in UNIX environment to support scheduling of the Talend jobs. Monitored the daily runs, weekly runs and adhoc runs to load data into the target systems. Environment:- Talend 6.3/6.1, Oracle, IBM DB2, Teradata, HDFS, Hive, Impala, SQL, PL/SQL, HP ALM, JIRA. Sr. ETL/Talend Developer IHG - Atlanta, GA June 2015 to September 2016 Responsibilities:- Worked in the Data Integration Team to perform data and application integration with a goal of moving more data more effectively, efficiently and with high performance to assist in business-critical projects coming up with huge data extraction. Perform technical analysis, ETL design, development, testing, and deployment of IT solutions as needed by business or IT. Participate in designing the overall logical & physical Data warehouse/Data-mart data model and data architectures to support business requirements Explore prebuilt ETL metadata, mappings and DAC metadata and Develop and maintain SQL code as needed for SQL Server database. Performed data manipulations using various Talend components like tMap, tJavarrow, tjava, tOracleRow, tOracleInput, tOracleOutput, tMSSQLInput and many more. Analyzing the source data to know the quality of data by using Talend Data Quality. Troubleshoot data integration issues and bugs, analyze reasons for failure, implement optimal solutions, and revise procedures and documentation as needed. Worked on Migration projects to migrate data from data warehouses on Oracle/DB2 and migrated those to Netezza. Used SQL queries and other data analysis methods, as well as Talend Enterprise Data Quality Platform for

profiling and comparison of data, which will be used to make decisions regarding how to measure business rules and quality of the data. Writing Netezza SQL queries to join or any modifications in the table. Used Talend reusable components like routines, context variable and globalMap variables. Responsible to tune ETL mappings, Workflows and underlying data model to optimize load and Query performance. Developed Talend ESB services and deployed them on ESB servers on different instances. Implementing fast and efficient data acquisition using Big Data processing techniques and tools. Monitored and supported the Talend jobs scheduled through Talend Admin Center (TAC). Developed Oracle PL/SQL, DDLs, and Stored Procedures and worked on performance and fine Tuning of SQL. Environment: Talend 6.1/ 5.5.2, UNIX, Shell script, SQL Server, Oracle, Business Objects, ERwin, SVN. DataStage/TalendETL Developer Navistar Inc - Chicago, IL February 2013 to May 2015 Responsibilities:- Work with the Business team to better understand the requirements and determine the appropriate data source and conversion approach. Developed DataStage Jobs, define job parameters, range lookups. Extensively used the CDC (Change Data Capture) stage to implement the slowly changing Dimensional and Fact tables. Used stages like Transformer, sequential, Aggregator, Data Set, File Set, Remove Duplicates, Sort, Join, Merge, Lookup, Funnel, Copy, Modify, Filter, Change Data Capture, Surrogate Key, External Source, External Target, Compare and Schedule jobs through UNIX shell scripts. Assist the functional teams by insuring good functional requirements exist, converting resulting functional specs into technical specs for data integration. Created the DataStage jobs to load data from ECOM database to ODS to Business Intelligence layer. Performed performance tuning of the jobs by interpreting performance statistics. Create DataStage components efficiently and made them reusable. Designing XML schema definitions (XSDs), extract and load to huge XML files. Involved in loading data from Oracle database to Teradata tables using DataStage. Design complex DataStage jobs with Java, DB2 extractions, SCD functionality and bulk loads. Created Jobs using different stages like Aggregators, Joins, Merge, Lookup, Source dataset, Row generator, Change Capture, Peak stages, Column generator, Oracle, Teradata connectors. Involved in design and development of complex enterprise parallel

jobs to extract data into Oracle, Teradata and flat files. Environment:-IBM InfoSphere DataStage 11.3/9.1/8.7/8.1/7.1, XML, Oracle, Teradata, SharePoint, UNIX, HDFS. Java/J2EE Programmer State Farm Insurance - Bloomington, IL July 2011 to January 2013 State Farm's Existing plus is the platform for Data Access Web Services. Production Solutions Data team provides/supports web services for Agreement related tables. The data inserted, updated, deleted or retrieved in to the tables from these services resides on Existing Plus, such as DB2 Z. This data can be moved to Technical Platform through our data movement processes, but on-platform will only be available for reading. These services are consumed by State Farm's Clients like Auto, Fire, Health, Life and Bank etc.

Responsibilities:- Developing J2EE web services involving all the stages of Software Development Life Cycle. Involve in the requirements gathering, Design, Development, Unit testing and Bug fixing. Use Design Patterns like MVC, Business Delegate, Service Locator, Session Facade and DAO. Developed the functionalities using Agile Methodology. Involved in writing Thread Safe blocks for multithread access to make valid transactions. Developed and implemented responsive web pages using JSF Primefaces while maintaining high usability standards. Created and injected Spring services, Spring boot, Spring controllers and DAOs to achieve dependency injection and to wire objects of business classes. Used Spring Inheritance to develop beans from already developed parent beans. Develop and Implement interface for SOAP Web Services using JAX-WS framework involving Global Transactions. Used AJAX extensively to implement front end /user interface features in the application. Developed Web Services clients to consume those Web Services as well other enterprise wide Web Services. Use IBM DB2 for creating databases and performing DB2 operations on the tables. Used IBM Pure Query for generating JDBC connection beans that can be used for connecting DB2 database. Database development required creation of new tables, inserting data into the tables, updating data in the tables and deleting data from the tables and required SQL tuning to reduce the response time in the application. Deployed the application on IBM Web Sphere Application Server 8.5. Worked closely with QA team and fixed QA bugs as well as production issues with a quick turnaround time. Used Splunk to get the Testing, Pre-productions and Production logs. Focused on Test Driven

Development; thereby creating detailed JUnit tests for every single piece of functionality before writing the functionality. Used Apache Maven for project management and building the application.

SVN being used for project management and version management. Environment:- J2EE, Java 1.7, Spring framework, Hibernate, JSP 2.0, JSR303, JDBC, AJAX, JAX-WS Web services, SOAP, XML, Java Beans, Apache Axis2, JQuery, JavaScript, AngularJS, IBM DB2, IBM Pure Query Java Developer SilverCloud Technologies - Hyderabad, Telangana May 2009 to June 2011 SilverCloud

Technologies has been one of the pioneering members of the book2net fraternity. An endeavor to integrate services and products, giving clients, complete turnkey solutions for their digitization needs. Responsibilities:- Worked on both WebLogic Portal 9.2 for Portal development and

WebLogic 8.1 for Data Services Programming. Developed the presentation layer using JSP, HTML, CSS and client validations using JavaScript. Used GWT to send AJAX request to the server and updating data in the UI dynamically. Developed Hibernate 3.0 in Data Access Layer to

access and update information in the database. Used JDBC, SQL and PL/SQL programming for storing, retrieving, manipulating the data. Involved in designing and development of the ecommerce site using JSP, Servlet, EJBs, JavaScript and JDBC. Used Eclipse 6.0 as IDE for application development Configured Struts framework to implement MVC design patterns.

Validated all forms using Struts validation framework and implemented Tiles framework in the presentation layer. Designed and developed GUI using JSP, HTML, DHTML and CSS. Worked with JMS for messaging interface. Used Hibernate for handling database transactions and

persisting objects deployed the entire project on WebLogic application server. Used AJAX for interactive user operations and client side validations Used XSL transforms on certain XML data.

Used XML for ORM mapping relations with the java classes and the database. Developed ANT script for compiling and deployment. Performed unit testing using Junit. Environment:-

Java/J2EE, Oracle 10g, SQL, PL/SQL, JSP, EJB, Struts, Hibernate, WebLogic 8.0, HTML, AJAX, Java Script, JDBC, XML, JMS, XSLT, UML, JUnit, Log4j, Eclipse 6.0. Education Bachelor's Skills DB2 (6 years), SQL (6 years), XML (6 years), DATA INTEGRATION (5 years), INTEGRATION (5 years) Additional Information TECHNICAL SKILLS:- BigData: HDFS, Hive, Pig, Spark, HBase Data

Warehousing: Talend Open Studio (TOS) for Data Integration 6.3, InfoSphere DataStage 9.1, 8.7
Databases: Netezza, Teradata & utilities (BTEQ, FASTLOAD, FASTEXPORT, MULTILoad, TRUMP), Oracle 12c/11g/10g, DB2, Microsoft SQL Server, Hive, Impala, Sybase. Programming: T-SQL, PL/SQL, HTML, XML. Environment: Windows, UNIX (Sun Solaris 10, HP, AIX) & Linux
Scripting: Korn shell script & Windows batch scripting, JavaScript Languages: SQL Developer, Aginity WorkBench, Teradata SQL Assistant, SQL*Plus, Toad. Other Tools: SQL Navigator, Putty, MS-Office, VMWare Workstation.

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