**Jalaja Sudarshanam Email: sudarsh.jalaja@gmail.com**

**Talend Developer Cell: +1-919-351-9472**

**PROFESSIONAL SUMMARY:**

* Around ​ **8 years**​ of IT experience in all aspects of Analysis, Design, Testing, Development, Implementation and Support of Relational Database, Data Warehousing Systems and Data Marts in various domains.
* 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.
* 6+ years of experience using Talend Integration Suite / Talend Open Studio and experience with Talend Admin Console (TAC) and TMC.
* Extensively created mappings in Talend using **tMap, tJoin, tReplicate, tparallelize, tConvertType, tFlowToIterate, tAggregate, tSortRow, tFlowMeter, tLogCatcher, tRowGenerator, tNormalize, tDenormalize, tHashInput, tHashOutput, tJava, tJavarow, tAggregateRow, tWarn, tLogCatcher, tMysqlScd, tFilter, tGlobalmap, tDie,tFTP components, tRESTClient, tRESTRequest, tRESTResponse** etc.
* Extensive experience in using Talend features such as context variables, triggers, and connectors for Database and flat files like **tMySqlInput, tMySqlConnection, tOracle, tMSSQLInput, TMsSqlOutput, tMysqlRow, tFileCopy, tfileInputDelimited, tFileExist.**
* Experienced in working with Informatica Cloud and Informatica’s DE product suite like DEI, DES, DEQ.
* Experience working with Data **Warehousing** Concepts like **OLAP**, **OLTP**, Star **Schema**, **Snowflake** Schema, Logical/Physical**/ Dimensional Data Modeling**.
* Extracted data from multiple operational sources for loading staging area, Data warehouse, Data Marts using **SCDs (Type 1/Type 2/ Type 3) loads**.
* Expertise in Data modeling techniques like Data Modeling- Dimensional/ Star Schema and Snowflake modeling, Slowly Changing Dimensions (SCD Type 2)
* Experience in using AWS cloud components and connectors to access **AWS s3, Redshift, Parameter store.**
* Experience in parsing complex X12 EDI files using Talend Data Mapper
* Created mappings using **Lookup, Aggregator, Joiner, Expression, Filter, Router, Update strategy and Normalizer Transformations**. Developed reusable Transformation and Mapplets
* Strong Experience with shell scripting, understanding of approaches for business intelligence, data warehouse.
* Experience in submitting Talend jobs for scheduling using Talend scheduler which is available in the Admin Console
* Good knowledge in Talend Integration experience with **AWS**.
* Experience building and optimizing big-data data pipelines and data sets including **Postgres, AWS** Relational Data Service
* Experience in data migration with data from different applications into a single application
* Responsible for Data migration from **MySQL Server to Oracle** Databases
* Prepared migration document to move the mappings from development to testing and then to production repositories
* Experienced in writing SQL Queries and used Joins to access data from **Oracle, and MySQL**
* Implemented Error Logging, Error Recovery, and Performance Enhancement’s related Audit Process (generic) for various Application teams
* Experienced in Waterfall, Agile methodologies
* 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

**SKILLS:**

**ETL Tools**: Talend Big Data 6.x., 7.x, Talend Data Mapper, Informatica Data Engineering 10.x, IICS(Informatica Cloud)

**Databases**: Netezza, Teradata & utilities (FASTLOAD, MULTILOAD), Oracle12c/11x/10g, DB2, Microsoft SQL Server

**Programming**: T-SQL, PL/SQL

**Scripting**: UNIX shell scripting

AWS: RedShift, S3, EMR, Glue and Lambda

**Languages**: SQL, Core Java, Python

**Other Tools**: Autosys, Control-M, Apache Airflow, Jenkins, Maven

**Big Data**: Cloudera 5.x, 6.x, Hortonworks 2.x, 3.x, Databricks 6.x, EMR 5.x

**Defect /Project Management Tools**: JIRA

**Version Control Tool**: Bit Bucket, GitHub

**PROFESSIONAL EXPERIENCE:**

**Talend Developer Apr 2021 to Till Date**

**Stitch Fix,** **San Francisco, CA**

**Responsibilities**:

* Designed ETL process using Talend Tool to load from Sources to Targets through data Transformations.
* Monitored and supported the Talend jobs scheduled through Talend Admin Center (TAC)
* Developed the Talend mappings using various transformations, Sessions and Workflows.
* Used Talend to Extract, Transform and Load data into Snowflake Data Warehouse from various sources like Oracle and flat files.
* Designed and developed Talend Jobs using big data Hadoop Talend ETL components, AWS S3 Buckets and AWS Services to migrate data from Teradata and Vertica to Redshift.
* Created complex mappings by using different transformations like Filter, Router, lookups,
* Created complex mappings by using different transformations like Filter, Router, lookups, Stored procedure, Joiner, Update Strategy, Expressions and Aggregator transformations.
* Implemented (CDC)Change Data Capture technology in Talend to load deltas to a Data Warehouse/Redshift.
* Created multiple Job lets (reusable code) & Java routines in Talend
* Experienced in writing SQL Queries and used Joins to access data from Oracle, and MySQL.
* Created mapping documents to outline data flow from sources to targets
* Involved in Dimensional modeling (Star Schema) of the Data warehouse, used Erwin to design the business process, dimensions, and measured facts.
* Designed the Talend ETL flow to load the data into hive tables and create the Talend jobs to load the data into HDFS files and Hive tables.
* Developed Talend Bigdata jobs to load heavy volume of data into S3 data lake and then into Redshift using bulk load components.
* Used tRest components to call GET, PUT and POST services on Rest API.
* Worked on a module where Informatica is the ETL tool – built various DEI mappings, dynamic mappings.
* Unit testing, code reviewing, moving in UAT and PROD.
* Working with high volume of data and tracking the performance analysis on Talend job runs and session.
* Prepare the Talend job level LLD documents and working with the modeling team to understand the Big Data Hive table structure and physical design.
* Conducted code reviews developed by my teammates before moving the code into QA.
* Used Talend reusable components like routines, context variable and global Map variables.
* 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.
* Works as a fully contributing team member, under broad guidance with independent planning &amp; execution responsibilities.
* Scheduling the ETL mappings on daily, weekly, monthly, and yearly basis.
* Worked on the project documentation and prepared the Source Target mapping specs with the business logic and involved in data modeling

**Environment**: Talend for Big Data 7.1, Talend Data Mapper, Talend Administrator Console, Informatica DEI(S) 10.2.x, AWS EMR, MS SQL server, PostgreSQL, SQL Workbench, WinSCP

**Talend Developer Feb 2019 to Mar 2021**

**Wells Fargo, Minneapolis, MN**

**Responsibilities**:

* Designed ETL process using Talend Tool to load from Sources to Targets through data Transformations.
* Monitored and supported the Talend jobs scheduled through Talend Admin Center (TAC)
* Developed the Talend mappings using various transformations, Sessions and Workflows.
* Used Talend to Extract, Transform and Load data into Snowflake Data Warehouse from various sources like Oracle and flat files.
* Designed and developed Talend Jobs using big data Hadoop Talend ETL components, AWS S3 Buckets and AWS Services to migrate data from Teradata and Vertica to Redshift.
* Created complex mappings by using different transformations like Filter, Router, lookups,
* Created complex mappings by using different transformations like Filter, Router, lookups, Stored procedure, Joiner, Update Strategy, Expressions and Aggregator transformations.
* Implemented (CDC)Change Data Capture technology in Talend to load deltas to a Data Warehouse/Redshift.
* Created multiple Job lets (reusable code) & Java routines in Talend
* Experienced in writing SQL Queries and used Joins to access data from Oracle, and MySQL.
* Created mapping documents to outline data flow from sources to targets
* Involved in Dimensional modeling (Star Schema) of the Data warehouse, used Erwin to design the business process, dimensions, and measured facts.
* Designed the Talend ETL flow to load the data into hive tables and create the Talend jobs to load the data into HDFS files and Hive tables.
* Developed Talend Bigdata jobs to load heavy volume of data into S3 data lake and then into Redshift using bulk load components.
* Used tRest components to call GET, PUT and POST services on RestAPI.
* Worked on a module where Informatica is the ETL tool – built various DEI mappings, dynamic mappings.
* Unit testing, code reviewing, moving in UAT and PROD.
* Working with high volume of data and tracking the performance analysis on Talend job runs and session.
* Prepare the Talend job level LLD documents and working with the modeling team to understand the Big Data Hive table structure and physical design.
* Conducted code reviews developed by my teammates before moving the code into QA.
* Used Talend reusable components like routines, context variable and global Map variables.
* 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.
* Works as a fully contributing team member, under broad guidance with independent planning &amp; execution responsibilities.
* Scheduling the ETL mappings on daily, weekly, monthly, and yearly basis.
* Worked on the project documentation and prepared the Source Target mapping specs with the business logic and involved in data modeling

**Environment**: Talend for Big Data 7.1, Talend Data Mapper, Talend Administrator Console, Informatica DEI(S) 10.2.x, AWS EMR, MS SQL server, PostgreSQL, SQL Workbench, WinSCP

**Talend Developer, Arlington, VA Oct 2017 to Jan 2019**

**ETrade Financial Corporation**

**Responsibilities:**

* Participated in all phases of development life-cycle with involvement in the definition and design meetings, functional and technical walkthroughs.
* Created Talend jobs to copy the files from one server to another and utilized Talend FTP components
* Created and managed Source to Target mapping documents for all Facts and Dimension tables
* Used ETL methodologies and best practices to create Talend ETL jobs. Followed and enhanced programming and naming standards.
* Created and deployed physical objects including custom tables, custom views, stored procedures, and Indexes to SQL Server for Staging and Data-Mart environment.
* Design and Implemented ETL for data load from heterogeneous Sources to SQL Server and Oracle as target databases and for Fact and Slowly Changing Dimensions SCD-Type1 and SCD-Type2.
* Created Implicit, local, and global Context variables in the job. Worked on various Talend components such as tMap, tFilterRow, tAggregateRow, tFileExist, tFileCopy, tFileList, tDie etc.
* Developed stored procedure to automate the testing process to ease QA efforts and also reduced the test timelines for data comparison on tables.
* Created Talend jobs to copy the files from one server to another and utilized Talend FTP components.
* Experience in CI/CD using Jenkins to deploy jobs and rancher to monitor logs.
* Used Talend as integration and migration tool to move salesforce data into Azure ADLS Gen2 storage and later move data to Synapse for BI teams to build dashboards.
* Worked on migration of talend jobs from older versions to the latest.
* Involved in production and deployment activities, creation of the deployment guide for migration of the code to production.

**Environment:** Talend Open Studio 6.3, Talend Open Studio 7.1, Rancher, Jenkins, Oracle 11g, Microsoft Azure, Databricks 5.x, Synapse, SQL Navigator, Salesforce, Toad, Putty, WinSCP.

**Informatica Developer Feb 2016 to Jul 2017**

**Renown Analytics, India**

**Responsibilities:**

* Worked with Business Analyst and application users to finalize Data Model, functional and detailed technical requirements.
* Extracted data from heterogeneous sources like Oracle, SQL Server
* Participated in all phases of development life cycle with extensive involvement in the definition and design meetings, functional and technical walkthroughs.
* Created detailed technical specifications for Data Warehouse and ETL processes.
* Used Transformations like Look up, Router, Filter, Joiner, Stored Procedure, Source Qualifier, Aggregator and Update Strategy extensively.
* Tuned performance of Informatica session for large data files by increasing block size, data cache size, sequence buffer length and target-based commit interval.
* Created Mapplets and used them in different Mappings.
* Involved in doing error handling, debugging, and troubleshooting Sessions using the Session logs, Debugger and Workflow Monitor.
* Monitoring the Data Quality, generating weekly/monthly/yearly statistics reports on production processes - success / failure rates for causal analysis as maintenance part and enhancing exiting production ETL scripts.
* Created Informatica jobs to copy the files from one server to another and utilized Informatica FTP components
* Created and managed Source to Target mapping documents for all Facts and Dimension tables
* Used ETL methodologies and best practices to create Informatica ETL jobs. Followed and enhanced programming and naming standards.
* Design and Implemented ETL for data load from heterogeneous Sources to SQL Server and Oracle as target databases and for Fact and Slowly Changing Dimensions SCD-Type1 and SCD-Type2.
* Created many complex ETL jobs for data exchange from and to Database Server and various other systems including RDBMS, XML, CSV, and Flat file structures.
* Developed stored procedure to automate the testing process to ease QA efforts and reduced the test timelines for data comparison on tables.
* Involved in production n deployment activities, creation of the deployment guide for migration of the code to production, also prepared production run books.

**Environment:** Informatica Power Center 8.6/8.5, Oracle9i, SQL Navigator, Toad, Control M, Putty, WinSCP.

**SQL Developer Jan 2014 to Jan 2016**

**High Radius, India**

**Responsibilities:**

* Analyzed the source data and worked with business analyst team to onboarding ETL components.
* Prepared ETL process flow documents based on the present process flow and business functionalities.
* Developed UNIX Shell Scripts to schedule on Control-M for Informatica jobs.
* Worked with Data mapping team to understand the source to target mapping rules.
* Analyzed the requirements, framed the business logic, and implemented it using Informatic Involved in ETL design and documentation.
* Monitored the daily runs, weekly runs and Adhoc runs to load data into the target systems
* Involved in the development backend code, altered tables to add new columns, Constraints, Sequences, and Indexes as per business requirements.
* Perform DML, DDL Operations as per the Business requirement.
* Used different joins, sub queries and nested queries in SQL query.
* Performed data quality analysis to validate the input data based on the cleansing rules.
* Creating views and prepares the Business Reports.
* Resolved production issues by modifying backend code as and when required.

**Environment**: **Informatica, Oracle, Unix and Control-M,**