**Madhu Nandelli**

**Talend ETL developer**

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**PROFESSIONAL SUMMARY:**

* Around 9 years of IT experience in Design, Development, and Maintenance projects, which includes Data Integration ETL tools like Talend studio/Talend di /DataStage designer with the databases oracle, MySQL, AWS Authena, Azure cloud database, GCS (Google cloud storage) databases.
* IT Experience in various domains like Retail, Telecom (CRM, Billing, provisioning, Order management, Inventory System), CRM - Address Standardizations (Establishing Global Customer Processes Address Cleansing and Standardized customer data), insurance.
* Experienced in adhering software methodologies like Agile, Service now.
* Effectively made use of Table functions, indexes, Table partitioning, Collections, Analytical functions, Materialized views, Query Re-write in SQL.
* Created the Tables, views, constraints, Indexes (B Tree, Bitmap and Function based)
* Developed materialized views for data replication in distributed environments
* Excellent technical and analytical skills with clear understanding of design goals of ER modelling for OLTP and dimension modelling for OLAP.
* Partitioned large Tables using range partition technique
* Good Knowledge of key oracle performance related features such as Query Optimizer, Execution plans and indexes, Hints
* created the shell scripts for invoking sql scripts and scheduling them using crontab.
* Excellent communication, interpersonal, analytical skills and strong ability to perform as part of a team
* Worked with tRestclient, tRest API components to extract the json / XML data from source systems and to load into target systems.
* Expertise in creating the mappings in TALEND using appropriate components for file/database components like, tfileinputdelimited, tfileoutputdelimited, tfilelist, tfilter, tSortRow, tAggregate, tJoin, tMap, tReplicate, tschemacompliancecheck, tParallelize, tConvertType, tflowtoIterate, tFlowMeter, tLogCatcher, tRowGenerator, tNormalize, tDenormalize, tSetGlobalVar, tHashInput, tHashOutput, tJava, tJavarow, tAggregateRow, tWarn, tLogCatcher, tMysqlScd, twarn, tDie, trunjob, tjoblets etc.
* Experienced in cloud databases like SQL, Oracle, GCP (S3 buckets, Big query), Aws (S3 buckets, authena), and Azure Synapse databases and Snowflake.
* Experience in using cloud components and connectors to make API calls for accessing data from cloud storage Amazon S3 using Talend Studio.
* Experienced in Talend administration center as well, in creating the projects, creating users and assigning the users to respective projects with the required privileges.
* Experienced as publishing the Talend Artifactory jobs into Nexus code repository as snapshot repository and Release repository.
* Have involved in scheduling the Talend jobs with dependency jobs in job conductor of TAC and Talend data integration also.
* Also have involved in monitoring the GIT, SVN code repositories along with TAC servers.
* Have involved in installation of AMC (Activity monitoring console) in Talend and monitoring the job visual dashboard and high-level error details and warns.
* Excellent Analytical, problem solving, communication and interpersonal skills.
* Have the DataStage Experience in develop the jobs using the stages are Filter, Lookup, sort, join, Remove duplicates and etc.
* Have experienced as working with Talend support team about Talend application-level issues and have fixed them as per business SLA.

**EDUCATIONAL SUMMARY:**

* Bachelor of Engineering from JNTU College of Engineering Hyderabad, India, 2013.

**SKILLS:**

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| **Bigdata Tools** | Talend for Big data, Talend di Hdfs, Hadoop, Hive, Sqoop |
| **Data Analytical Tools** | Alteryx Designer, Alteryx server, Alteryx Gallery |
| **ETL Tools** | Talend data integration, DataStage, TAC (Talend Administration center) |
| **RDBMS** | Oracle 11G/10G, MySQL, Teradata, AWS Authena, AWS S3, Azure Synapse, GCS buckets, GCS Bigquery |
| **Operating Systems** | Microsoft Windows, Unix |

**PROFESSIONAL EXPERIENCE:**

**The Hartford, Kansas City, MO Nov 2021 to Till Date**

**Senior Talend developer**

The Hartford Financial Services Group, Inc, usually known as The Hartford, is a United States-based investment and [insurance](https://en.wikipedia.org/wiki/Insurance) company. The Hartford is a [Fortune 500](https://en.wikipedia.org/wiki/Fortune_500) company headquartered in its namesake city of Hartford, So we have been providing end to end services for group benefits and mutual funds using the Talend and database applications.

**Roles & Responsibilities:**

* Have developed the data integration jobs using Talend cloud data fabric to migrate the oracle systems data to the downstream systems (GCS Buckets and big query).
* Effectively made use of Table functions, indexes, Table partitioning, Collections, Analytical functions, Materialized views, Query Re-write.
* Created the Tables, views, constraints, Indexes (B Tree, Bitmap and Function based)
* Developed complex database objects like stored procedures, Functions, Packages, and triggers using SQL and PL/SQL
* Portioned large Tables using range partition technique
* Experienced in creating and using the cursors, procedures, Functions, Exception handling, packages and triggers.
* Good Knowledge of key oracle performance related features such as Query Optimizer, Execution plans and indexes, Hints
* created the shell scripts for invoking SQL scripts and scheduling them using crontab.
* Excellent communication, interpersonal, analytical skills and strong ability to perform as part of a team
* Extensive experience in extraction of data from various source systems like relational databases Oracle, Flat Files and loaded into snowflake.
* Have developed the Talend jobs with snowflake database components like tsnowflakeconnection, tsnowflakerow,snowflakeinput,tsnowflakeoutput,tSnowflakeBulkExec,tsnowflakecomit,SnowflakeClose.
* Involved in writing SQL Queries and used Joins to access data from Oracle, and MySQL to snowflake database.
* Have experience into cloud technologies like snowflake, AWS and Azure along with Talend data integration for ETL jobs design.
* Implemented custom error handling in Talend jobs and worked on different methods of logging.
* Develop the ETL mappings for XML, .CSV, .TXT, JSON, XML sources and loading the data from these sources into relational tables with Talend ETL Developed Joblets for reusability and to improve performance.
* Developed high level data dictionary of ETL data mapping and transformations from a series of complex Talend data integration jobs.
* Have the knowledge and experience into cloud Talend application in monitoring and scheduling the jobs through TAC.
* Prepared ETL mapping Documents for mapping for smooth transfer of project from development to testing environment and then to production environment.
* Created context variables and groups to run Talend jobs against different environments.
* Used Talend components tMap, tDie, tConvertType, tFlowMeter, tLogCatcher, tRowGenerator.
* Performed requirement gathering, Data Analysis using Data Profiling scripts, Data Quality (DQ) scripts and unit testing of ETL jobs.
* Set up and manage transactional log shipping, SQL server Mirroring, Fail over clustering and replication.
* Created DataStage 11.5 jobs using different stages like the transformer, aggregator, sort, join, merge, lookup, data set, funnel, remove duplicates, copy, modify, filter, change data capture, change apply, parallel jobs, sequencer jobs.

**Environment:** Talend cloud Data Fabric, DataStage Designer 11.5, Unix, Oracle, Aws s3, Snowflake.

**Charles Schwab,** [**Brea, CA**](https://www.bing.com/search?FORM=SNAPST&q=California&filters=ufn%3a%22California%22+sid%3a%223009d91d-d582-4c34-85ba-772ba09e5be1%22+gsexp%3a%228706e4cc-73a7-f711-0bc7-b0b8bb7e4688_bXNvL29yZ2FuaXphdGlvbi5vcmdhbml6YXRpb24ucGxhY2VfZm91bmRlZHxUcnVl%22)  **March 2021 to Oct 2021**

**Senior Talend developer**

The Charles Schwab Corporation is an American multinational financial services company. It offers banking, commercial banking, investing and related services including consulting, and wealth management advisory services to both retail and institutional clients. So for this client we have provided the services using Talend, DataStage, and cloud based applications like AWS and GCP Bigquery.

**Roles & Responsibilities:**

* Experienced in reading the data from Oracle, Teradata and flatfiles and loaded the data into GCP big query.
* Have involved in deleting the duplicate data while working on production support project.
* Have worked on multiple SQL scripts creation and deployment as per business requirement.
* Have experience into create and managing user, projects into TAC.
* Also have knowledge in monitoring the jobs, execution plans and job servers.
* Have the knowledge in configure the GIT/SVN into TAC.
* Have the work experience with Talend support team for incidents.
* Have the knowledge and experience into cloud Talend application in monitoring and scheduling the jobs through TAC and TMC
* Monitoring the Talend jobs in Tac and if any issues come, fixing them on time.
* Have the experience into code deployment for Nexus and Git repositories.
* Have Experience into Backups for TAC databases and Talend code.
* Experienced in Clearing the TAC Cache activity weekly once by sending the notification emails to business.
* Created and communicated with Talend support team as per of admin activities to maintain the server’s scalability and accuracy.
* Have involved in end to end all activities with off sure and onsite for daily activities and upcoming activities.

**Environment:** Talend for Data integration, Talend administration center, Unix, Oracle, Gcp S3, Big query.

**Walmart inc,** [**Bentonville, AR**](https://www.bing.com/search?FORM=SNAPST&q=Bentonville%2c+Arkansas&filters=ufn%3a%22Bentonville%2c+Arkansas%22+sid%3a%221bb3b758-ee0b-2c99-e19f-97e2d89a32c6%22+gsexp%3a%22a8dbcd8f-fe22-fdb9-ca9d-f5c9f877a181_cmVsL29yZ2FuaXphdGlvbi5vcmdhbml6YXRpb24uaGVhZHF1YXJ0ZXJzfFRydWU.%22) **Dec 2017 to March 2021**

**Sr ETL/Talend developer**

Walmart Inc is an American multinational retail corporation that operates a chain of hypermarkets

, discount department stores, and grocery stores from the United States, headquartered in Bentonville. So, for this project we been providing end to end services with recurring billing and CRM system. So, in the way of doing transaction by users / store team, N-number of OLTP transactions done by users in a day into source systems. These OLTP records must be processed for reporting purpose. So new data and the historical data from source is first staged and using appropriate transformations loaded in to the Target Data Base. Build a data store to support Walmart projects.

**Roles & Responsibilities:**

* Gathered the requirements from business users and passed on the requirements to the team.
* Written PL/SQL scripts for partitioning and indexing database objects like tables, and functions for Oracle databases.
* Extensively involved in writing PL/SQL stored procedures, functions and database triggers.
* Extensively written Shell Scripts, PL/SQL packages, procedures, and functions.
* Importing data from different varieties of sources like a flat file, excel file or Oracle dump file into oracle database source schema tables using SQL Loader.
* Developed ETL jobs from various source systems such as Oracle, MySQL & other Files and loaded into target databases using Talend.
* Performance tuning in Talend by using the tmap cache properties, multi-threading and parallelize Components for better performance in case of huge data source.
* Have Used more components in Talend & few to be mentioned: tmap, tfilterrow, tJava, taws S3, tlogrow, Tjava, tJavarow, tjavaflex, tscd, trunjob, tjoblet.
* Developed data pipeline with Amazon AWS to extract data from S3 buckets and store in HDFS.
* Implemented the jobs with HDFSinput, tHDFSGet to read and get files from HDFS.
* Using GitHub version control repository for Source code management as well as CI/CD procedure.
* Used TAC job conductor to schedule ETL jobs on daily, weekly, monthly & yearly basic
* Created DataStage 11.5 jobs using different stages like the transformer, aggregator, sort, join, merge, lookup, data set, funnel, remove duplicates, copy, modify, filter, change data capture, change apply, parallel jobs, sequencer jobs.

**Environment:** Talend for big data 7.2.1, AWS S3, Aws authena, DataStage, RedShift, SQL Server, HDFS, Teradata, GitHub, TAC, Unix, Jira, Control M.

**MassMutual, St Boston, MA Dec 2016 to Dec 2017**

**Technology Analyst**

MassMutual is an American mutual life insurance company, and it has been providing services are protection products, retirement and investment services. For this we have been providing the End-to-end database services.

**Roles & Responsibilities:**

* Expertise in creating mappings in TALEND using tfilter, tSortRow, tAggregate, tJoin, tMap, tReplicate, tParallelize, tConvertType, tflowtoIterate, tFlowMeter, tLogCatcher, tRowGenerator, tNormalize, tDenormalize, tSetGlobalVar, tHashInput, tHashOutput, tJava, tJavarow, tAggregateRow, tWarn, tLogCatcher, tMysqlScd, twarn, tDie etc.
* Experienced in creating the projects, creating users and assigning the users to respective projects with the required privileges.
* Experienced in TAC (Talend administration center) as publishing the Talend Artifactory jobs into Nexus code repository as Release\snapshot repository jobs.
* Also Have involved in jobs related issues and server related issues in Talend and fixed them on time.
* Interact with business community & gathered requirements based on changing needs.
* Expertise in deploy, execute and monitoring the jobs in TAC.
* Have involved in adding the new servers in TAC and restarting the services through command line of TAC.
* Also have involved in TAC configuration for SVN, GIT code repositories.
* Have involved in using the job server, Artifactory repository into Talend, which will allow to run the job on remote server.
* Responsible for accepting ad hoc modifications/new enhancements from Business users for existing & new applications& incorporated the change without effecting the current functionalities.

**Environment:** Talend Bigdata Integration, Windows, Oracle, TAC, SQL server, AWS S3, Jira.

**Ultravision, Mexico Jun 2013 to Nov 2016**

**Software Engineer**

**Project #1: OBS (Open Billing System)**

* OBS (Open Billing System) is an enterprise level recurring Billing & CRM system meant for automating the subscription billing & entitlement management for IPTV, VOD, Pay TV, DTH, ISP & Cable operators.
* It Supports all the processes which are essentially required by the service operators from customer acquisition, payments, service Entitlements to Customer Retention Management.
* Each module is tightly integrated to ensure the information is shared across the modules for accurate information and to attain Customer satisfaction Below are features of each OBS module.

Ultravision is one of the biggest Pay-tv, Broadband and VOIP service provider in Mexico. They receive the hardware such as smartcard, set-top box and modem from third party suppliers. This hardware to be registered in the external systems like GOSPEL, CONAX and VELONET. Services are activated/deactivated to end customers using OBS.

In the way of doing activations, N-number of OLTP transactions done by users in a day into source systems. These OLTP records must be processed for reporting purpose. So new data and the historical data from source is first staged and using appropriate transformations loaded in to the Target Data Base. Build a data store to support ULTRAVISION project.

**Roles & Responsibilities:**

* Created the Tables, views, constraints, Indexes (B Tree, Bitmap and Function based)
* Developed complex database objects like stored procedures, Functions, Packages, and triggers using SQL and PL/SQL
* Developed materialized views for data replication in distributed environments
* Excellent technical and analytical skills with clear understanding of design goals of ER modelling for OLTP and dimension modelling for OLAP.
* Loaded data into oracle tables using SQL loader
* Portioned large Tables using range partition technique
* Experienced in creating and using the cursors, procedures, Functions, Exception handling, packages and triggers.
* Good Knowledge of key oracle performance related features such as Query Optimizer, Execution plans and indexes, Hints.
* Actively participating in decision making and QA meetings and regularly interacting with the Business Analysts and development teams to gain a better understanding of the business process, requirements & design.
* Using DataStage as an ETL tool to extract data from sources systems, loaded the data into the IBM DB2.
* Created the DataStage jobs to read and write data into complex flat files, sequential files.
* Designing and developing a data stage jobs to extract data from heterogeneous sources applied to transform logic.
* Creating DataStage 8.7 jobs using different stages like the transformer, aggregator, sort, join, merge, lookup, data set, funnel, remove duplicates, copy, modify, filter, change data capture, change apply.
* Worked on DataStage tools like DataStage Designer, DataStage Director and DataStage director for run the developed jobs and to monitor the jobs.
* Implementing the error handling strategies whenever we required in the mappings and applying the default values
* Extensively using the DataStage for extracting, transforming and loading databases from sources including flat files.
* Documented ETL test cases, test scripts, and validations based on design specifications for unit testing, system testing, functional testing, prepared test data for testing, error handling and analysis.

**Environment:** Talend for Data integration, DataStage Designer 8.7, Unix, Oracle, Teradata.