**Ravi Teja Voleti**

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* **6** years of experience dealing with ETL tools like **Talend**, **Datastage** ETL Tools with expertise in analysis, design, development & implementation of Data warehousing with **MS SQL** Server, **Oracle**, **Postgres** Databases on Windows and UNIX platforms
* Extensive knowledge on normalized and dimensional modeling techniques, **Dimensional Data modeling**, **Star Schema** modeling, **Snow-Flake** modeling, Fact and Dimensions tables, **Slowly Changing Dimensions (SCDs)** for Data Warehouse, Data marts, Data Sources and implementation using Talend and Datastage.
* Expert in using the Talend and Datastage Troubleshooting Techniques to understand the errors in Jobs and used the tMap/expression editor to evaluate complex expressions and look at the transformed data to solve mapping issues.
* Extensive experience in database programming using **SQL** that includes stored Procedures, functions and Packages.
* Developed parallel jobs using different processing stages like**Transformer, Aggregator, Lookup, Join, Sort, Copy, Merge, Funnel, CDC, Change Apply and Filter** ODBC, Shared containers and local containers, parameter sets etc
* Developed **Talend ESB** jobs and integrated them with **Azure Event Hub, Queues, Topics**
* Experience using all stages in **sequencers** and create parallel jobs with **RCP** and Multi instance.
* Good at using necessary **partition** techniques in the jobs to achieve the best performance results.
* Actively involved in data collection, group discussions and analysis. I have also played a key role in comprehensive analysis with regards to the functional flow of the projects and lead the team in database designing and maintenance.
* Proficiency in **developing**, **testing** and **performance** tuning Datastage parallel and server jobs. Good at creating Shared containers and reusable mappings.
* Ability to work effectively and efficiently in a team and individually, discerning **long term project** development issues at **multiple levels**.
* Created complex jobs in Talend using **tMap, tJoin, tReplicate, tParallelize, tJava, tJavaFlex, tAggregateRow, tDie, tWarn, tLogCatcher** etc
* In addition to my enthusiasm, I will bring to the position strong communication skills, flexibility, and the ability to encourage others to work cooperatively with the department.
* Experience in Performance Tuning of targets, mappings and sessions as per Industry standards thus helped DBA’s to create suitable database **partition** techniques for obtaining best results using Talend and Datastage.
* Extracted data from source systems like **Amazon S3**, **Hive, ADLS, Azure (Event Hub, Queues),** **Salesforce**, **Five9**, Apache **Kafka**, **ActiveMQ**, **Back Office** and **SQL Server Databases**

**EDUCATION**

* Masters in Computer Science Engineering (MS)

University of Central Missouri, Warrensburg, MO

* Bachelors Of Technology (B.Tech),

V R Siddhartha Engineering College, Acharya Nagarjuna University, India

**Technical Skills**

**ETL Tools :** Talend Real Time Big Data Platform 6.4.1,

Talend Open Studio 6.3, 6.2.6.1, Talend Platform for MDM 5.4.2,

IBM Infosphere Information Server Datastage 9.1, 8.7, 8.5, Ascential

Datastage 8.1, Tableau 8.2

**Data Modeling :** Star-Schema Modeling, Snowflake-Schema Modeling, Erwin Data Modeling

**RDMS :** Oracle 11i,10g,9i/8i/7.x, MS SQL Server 6.5/7.0, 2000,

SQL Server 12.0/11.x, Postgresql, Pg Admin 9.6, 9.5, My SQL,

Amazon Redshift, Hive, Presto

**Environments :** UNIX (Amazon EC2, Azure), Windows 10, 7/XP

**/Platforms**

**Scheduling :** Talend Administration Center (TAC),

Datastage Director, Unix (crontab), Windows(Task scheduler),

AWS Lambda

**Programming :** SQL, Unix Shell Scripting, C, C++, Python 3.6, 2.7, Java,

Windows Power Shell

**Languages**

**Other Tools :** TOAD for DB2, Quality

Center, Github, Bit Bucket, Sharepoint, Jira, OneDrive,

Amazon Work Docs, HUE, Dremio, Pycharm, Apache Ambari etc

**Professional Experience**

**Virgin Voyages, Atlanta, GA April 2018 – Till Date**

**(Employer: Capgemini America, Inc)**

**Senior Talend Developer**

Virgin Voyages is a [cruise line](https://en.wikipedia.org/wiki/Cruise_line) company. This is a Data Lake Project where the data is moved from different sources to AWS

* Developed Talend Jobs to move data from **Salesforce to AWS S3**
* Developed Real Time Jobs using Kafka
* Installed Components from **Talend Exchange** to Talend Studio
* Used the joblets as reusable pieces of code
* Developed Talend Jobs to move data from **Hive to Amazon Redshift**
* Pulled data from Active MQ and loaded them to Salesforce
* Developed Talend ESB Jobs to pull data from ActiveMQ to kafka

**Environment:** Talend Real Time Big Data Platform 6.4.1, AWS, Windows 10, **Amazon Aurora My SQL DB**, Talend Administration Center (TAC), Bit Bucket, DBeaver, **AWS Work Space,** My SQL Work bench, **HUE, Hive, ActiveMQ**

**Royal Caribbean Cruises Ltd, Atlanta, GA Oct 2017- April 2018**

**(Employer: Capgemini America, Inc)**

**Senior ETL \ Talend Developer**

Royal Caribbean Cruises Ltd. is an American global cruise company. It is the world's second-largest cruise line operator. This is migration project from Informatica to Talend. Also this project is designed to integrate the Data warehouse into Azure cloud with the usage of Talend Real time Data Operations and Enterprise Service Bus which allows the client to have effective reporting environment

* Worked in the project right from the start and a part of every technical discussion.
* Used Talend to develop processes for extracting, cleansing, transforming, integrating and loading data into the data warehouse database and developed Talend Jobs as per the business requirement.
* Developed windows powershell scripts and **Spark Scripts** as per the requirement and integrated windows powershell script with Talend using tsystem component
* Developed Talend jobs which upload and get files from **ADLS** \ Blob
* Used **TAC Metaservlet** concepts to implement parallelism.
* Developed Talend jobs to call **Oracle Stored Procedures**
* Created **Service Bus, Queues , Consumer groups, Event Hubs** in Azure Environment
* Developed a Talend job to read and consume messages from **Azure Queues, Topics etc**
* Designing, developing and deploying end-to-end Data Integration solution
* Extensively involved in various iterations for design/develop and testing Talend code.
* Used Components such as tpartitioner, tcollector, tjava, tjavarow,tlogrow, trowgenerator, tfileinput delimited etc
* Made use of **Talend Metabridge** to convert the Informatica jobs to Talend Jobs
* Implemented **Talend Dynamic Schema** instead of developing multiple jobs
* Wrote Stored Procedures and handled complex queries
* Developed Talend ESB jobs to pull data from Azure Event Hubs, Queues etc
* Worked on Error handling techniques and tuning the ETL flow for better performance.
* Implemented Dimensions (SCD) Type1, Type 2 to capture the changes using Talend ETL Tool
* Worked Extensively TAC (Admin Console) where we Schedule Jobs in Job Conductor

**Environment:** Talend Real Time Big Data Platform 6.4.1, Azure Cloud(ADLS\Blob), Windows Powershell, Windows 10, Oracle, SQL Server , Talend Administration Center (TAC), Github, Bit Bucket,

DBeaver, SQL Developer, Dremio, Apache Ambari

**Capital One, Richmond, VA May 2016-Oct 2017**

**(Employer: CDI Solutions Inc)**

**Senior Talend Developer**

Capital One offers credit cards, checking and savings accounts, auto loans, rewards, and online banking services for individuals and businesses. The project was to design, develop and maintain a data warehouse to understand the client needs, undertake trend analysis, provide better customer service and assess current and future profitability.

* Involved in gathering requirements from users and involved in modifying various technical Specifications in the Development phase to Maintenance Phase.
* Implemented Dimensions (SCD) Type1, Type 2 to capture the changes using Talend ETL Tool
* Preparing technical Design Documents and mapping the data.
* Develop ETL mappings for various sources (.TXT, .CSV, JSON) and also load the data from these sources into relational tables with Talend Open Studio.
* Created Projects, jobs in Talend Open Studio
* Used the Talend Components like tmap,tparallelise,tmssqlinput,tpostgreslqoutput etc
* Worked on Global Context variables, Context variables and extensively used over 100+components in Talend to create jobs.
* Worked on Error handling techniques and tuning the ETL flow for better performance.
* Worked on Kafka Message Broker for Real time jobs
* Loaded data into Staging, Hub and Data Marts.
* Developed ETL Loader using Python code.
* Developed Talend jobs to get data from Amazon S3
* Developed Real Time jobs using Talend using tkafkainput component
* Used AWS Lambda as a scheduler.
* Worked on SQL for extracting the data from the source.
* Experience working with Amazon Web Services (AWS) Server and worked effectively in Agile Environment
* Deployed solutions that maximize consistency and usability of the data.

**Environment:** Talend Open studio 6.3,6.2,6.1, UNIX (AWS server), SQL Server2012, Postgresql, Pg Admin 9.6,9.5, Windows 7, AWS Lambda, SNS, EC2, RDS, S3, Python 3.6,2.7, Github, Crontab

**CDI Solutions Inc San Ramon, CA March 2016-May2016**

**Senior ETL(Talend\Datastage) Developer**

CDI Solutions, Inc. is a technical consulting firm that specializes in Custom Data Integration (CDI) initiatives. CDI Solutions provides clients to not only avoid the common pitfalls but to be highly successful in their BI project endeavors. I was involved with all of the phases of the life cycle starting from gathering the requirements, integrating data in the systems and presenting a centralized data warehouse interface.

* Involved with business analysts to understand the business requirement specifications and implemented the ETL jobs using Datastage.
* Worked with Oracle SQL Developer while Implementing Unit Testing of ETL Talend Jobs.
* Design & Development of DataStage Jobs with Unit Testing.
* Extensively used Datastage Director for monitoring and debugging of jobs and sequences.
* Designed ETL jobs to identify and remove duplicate rows using remove duplicate stage.
* Extensively worked with surrogate key generator to generate warehouse keys before loading data into warehouse.
* Designed Datastage sequences to specify Job execution order.
* Tuned Datastage jobs to obtain better performance.
* Unit Test Datastage Jobs in development including creating the appropriate test data.
* Proactively evaluated the quality and integrity of data required by the users to satisfy their business needs.
* Developed Datastage jobs using RCP(Runtime Column Propagation)
* Developed UNIX Shell Scripting to automate file manipulation, data loading procedures, Data Conversion and scheduling jobs.
* Self-documenting ETL Jobs to comply with Metadata standards.
* Developed and maintained Technical documentation and run books.
* Used Datastage as an ETL tool to extract data from sources systems, loaded the data into the SQL Server database
* Tuned Talend Jobs as per requirement

**Environment:** IBM Datastage 9.1, 8.7, 8.5, 8.1(Administrator, Designer, Director), Talend Open Studio 6.0.1, Oracle11g, *UNIX*, Windows 7.

**Ellie Mae, Pleasanton, CA Oct 2015- March 2016**

**(Employer: CDI Solutions Inc)**

**Senior Talend Developer**

Ellie Mae, Inc. is a leading provider of innovative on-demand software solutions and services for the residential mortgage industry. Ellie Mae’s all-in-one Encompass mortgage management solution provides one system of record that allows banks, credit unions and mortgage lenders to originate and fund mortgages and improve compliance, loan quality and efficiency.

* Worked on Star Schema and Snowflake Schema.
* Proactively evaluated the quality and integrity of data required by the users to satisfy their business needs.
* Designed and Implemented the ETL process using Talend Platform for MDM (Enterprise Edition) to load the data from Source to Target Database.
* Involved in Data Extraction from .xslx, .csv files using Talend by using Java as Backend Language.
* Develop ETL mappings for various sources and also load the data from these sources into relational tables with Talend Enterprise Edition
* Create ETL Mapping to pull data from source, apply transformations, and load data into target database
* Developed Source to Target Mapping documentation based on business requirement specifications. Worked on Error handling techniques and tuning the ETL flow for better performance.
* Convert business requirements into System Requirement Specifications (SRS)
* Extensively Used Talend components tMap, tDie, tConvertType, tFlowMeter, tLogCatcher, tRowGenerator, tOracleInput, tOracleOutput, tfileList, tDelimited etc
* Scheduling the ETL mappings on daily, weekly, monthly and yearly basis.
* Used Dynamic Schema concept using Talend as a part of the requirement.
* Identified strengths and opportunities for data improvement.
* Performed Unit Testing and System Testing.

**Environment:** Talend Platform for MDM 5.4.2 (Enterprise Edition), Talend Adminstration Center (TAC), SQL Server 2012, Windows 7,Tableau 8.2,Unix

**CDI Solutions Inc, San Ramon, CA Aug 2015 – Oct 2015**

**ETL (Talend\Datastage) Developer**

CDI Solutions, Inc. is a technical consulting firm that specializes in Custom Data Integration (CDI) initiatives. CDI Solutions provides clients to not only avoid the common pitfalls but to be highly successful in their BI project endeavors. Datastage extracts data from the incoming sources, processes them according to the business requirements and loads them into the staging tables. Also it provides an integrated solution that enables storage, delivery, and management of network data and content to achieve business goals

* Communicated with business people, understood their needs and incorporated them in a functional document.
* Drafted technical design documents from the functional sheets
* Extensively involved in various iterations for design/develop and testing Datastage, Talend code.
* Developed data extractions, transformations and routines.
* Checked the database connectivity using Datastage Designer in higher environment before first cycle run process begins.
* Deployed solutions that maximize consistency and usability of the Datastage jobs and data.
* Developed jobs in Parallel Extender PX using different stages like Transformer, Aggregator, Lookup, Join, Merge, Modify, Remove Duplicate, Oracle Stage, Sort, Peek, Row Generator, Column Generator, Sequential File, and Data Set.
* Designed Datastage sequences to specify Job execution order.
* Deployed the Talend jobs and scheduled the jobs for a batch run.
* Loaded data into staging area.
* Tuned Datastage and Talend jobs to obtain better performance by using various tuning techniques.
* Unit tested Datastage Jobs in development including creating the appropriate test data.
* Identified strengths and opportunities for data improvement.
* Implemented Slowly Changing Dimension (SCD) as per business requirement for saving history using Data Stage, Talend for dimension tables in Star Schema.
* Supported Datastage environment whenever Datastage jobs got aborted.

**Environment:** IBM Information server 9.1, 8.7, 8.5, 8.1(Administrator, Designer, Director), Talend Open Studio 6.0.1, Oracle11g, *UNIX*, Windows 7

**ADP, Hyderabad, India Sep 2012 – July 2015**

**ETL Developer**

ADP provides support to benefit administration, human resource and retirement services for businesses of any size. I worked at ADP. mainly involved in designing, developing and maintaining two major types of decision support systems, HR and financial. I was involved with all of the phases of the life cycle starting from gathering the requirements for designing DS systems, integrating data in the systems and presenting a centralized data warehouse interface.

* Understanding existing business model and customer requirements.
* Designed the target schema definition and Extraction, Transformation and Loading (ETL) using datastage.
* Mapped data items from Source Systems to the Target System.
* Developed Talend Jobs as per the business requirement.
* Used various common Talend transformations components like tMap, tDie, tConvertType, tFlowMeter, tLogCatcher, tRowGenerator, tSetGlobalVar, tHashInput & tHashOutput etc.
* Used contexts to pass parameters to the job.
* Used the Datastage designer to develop processes for extracting, cleansing, transforming, integrating and loading data into the data warehouse database.
* Worked on programs for scheduling data loading and transformations using Datastage from legacy system to Oracle using Datastage Loader
* Used the Datastage director and its run-time engine to schedule running the solution, testing and debugging its components and monitored the resulting executable versions (on an ad hoc or scheduled basis).
* Used Datastage manager for importing metadata from jobs, new job categories and created new data elements.

**Environment:** TalendOpen Studio 5.4,5.1,Datastage 7.5(Manager, Designer, Director), Oracle 9i, SQL Server 2000, Windows, UNIX