**VENKATESWAR REDDY**

**Talend Developer**

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**PROFESSIONALSUMMARY:**

* Having **7+**years of IT experience on Client-Server architecture, Business Intelligence applications in various phases of IT projects such as analysis, design, deployment, coding and testing using **Talend** for **Banking, Financial and Healthcare** clients.
* **3+** years of experience using Data fabric (**Talend DI**, **Talend DQ**, **Talend Big Data)**.
* **4+** years of experience using **PLSQL Developer**.
* Extracted data from multiple operational sources including flat files, RDBMS tables, and legacy systems for loading staging area, Data warehouse, Data Marts using **SCDs (Type 1/Type 2)** loads.
* Extensively used **ETL** methodology for performing Data Extractions, Transformations and loading using Talend and designed data conversions from wide variety of source systems.
* Experienced in data analysis, mapping & modelling and experienced in Designing ETL models (**MDM models** using Talend) for the multi-platform applications.
* Experienced in **performance tuning** in the live systems for **ETL** jobs that are built on Talend.
* Experienced in web service testing using **SOAP UI** and Good Exposure in **SOAP UI** for creating the test suites to validate the XML data.
* Hands on experience with Amazon web services, created EC2 (Elastic Compute Cloud) cluster instances, setup data buckets on S3 (Simple Storage Service), set EMR (Elastic MapReduce) with Hive scripts to process big data.
* Experienced with Parse XML message payload into semi structured format and JSON.
* Experience in Data warehouse design using **Star Schemas** and **Snowflake** dimensional models.
* Experience in **Agile and Waterfall** software development life cycle.
* Working experience with job scheduling tools like **TalendJob Conductor**, **Talent Administrator Center** (TAC). Experienced with Talend strongly desired.
* Experienced in understanding of systems analysis and design, **SDLC** also Good technical understanding on **Data Quality and MDM**.
* Experienced with **data loads** into relational database (Oracle) and **Hadoop**.
* Experience in designing and developing complex Talend/ETL Jobs and **Java Routines**.
* Experienced in creating **Generic schemas** and creating Context Groups and Variables to run jobs against different environments like Dev, Test and Prod.
* Involved in build applications using Maven and integrated with CI servers like **Jenkins** to build jobs
* Experienced in using Java IDE tools like **Eclipse**,Net Beans, JBuilder and JDeveloper.
* Created sub jobs in parallel to maximize the performance and reduce overall job execution time with the use of parallelize component of Talend and using the **Multithreaded Executions** in TOS.
* Good Experience in Big Data and Hadoop Ecosystem components like Pig, Hive, Sqoop, Flume, MapReduce. Knowledge of Omniture and Web Analytics Tools.
* Experience in working with **Talend Bulk load components**, when working with large amounts of data.
* Experience in writing ETL Jobs using Stored procedures.
* Experience to read queue from MQ (JMS).
* Well versed in writing complex queries using **JOINS**, **Subqueries** and **Correlated Subqueries**.
* Experience in writing **PLSQL procedures**, **functions**, **triggers** and **cursors**.
* Experience in using **SQL\*Loader** to extract and load data between Databases.
* Experience in using **SQL TRACE** to know the Explain plans.
* Experience in creating Indexes and Partition tables to improve query performance.
* Experience in writing **UNIX** shell scripts for Informatica jobs that are used for D.M and D.T purpose.
* Strong in Oracle, PL/SQL, UNIX shell scripting, Perl, **Python.** Very competent in MS Excel VBA and Talend ETL Tool.
* Experienced with build tool ANT, Maven and continuous integrations like **Jenkins**.
* Ability to work independently and adept at managing multiple competing tasks.

**EDUCATION:**

* **Bachelor of Technology, Electronics and Communications Engineering, Jawaharlal Nehru Technological University(JNTU) Anantapur, India**.

**COURSECERTIFICATION:**

* **AWS Certified Solutions Architect - Associate Level.**
* **Talend Data integration for Developers 6.0**

**TECHNICAL SKILLS:**

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| --- | --- |
| ETL/BI Tools | **Talend Data Fabric** (DI, DQ, Big Data), **Botanica** Open Studio. |
| **Databases** | Oracle 11i/10g/9i, MS SQL Server, DB2, **Netezza**, **Hive**, **Postgres,** Oracle Blue Kai. |
| **Programming Languages** | SQL, PL/SQL, CoreJava, Python. |
| **Development Tools** | **Putty**, File Zilla, SQL Developer, **Toad**, Agnity Workbench for Netezza, Quality Center, JMS, SQL Server Management Studio, Autosys, **TAC, Jenkins.** |
| **Operating Platforms** | **Windows Family, Linux.** |

**Project Synopsis:**

**Idea Crew Oct 2016 – Present**

**Talend Developer.**

**Washington, DC.**

**Responsibilities:**

* Designing and Implemented the ETL process using Talend Enterprise Big Data Edition to load the data from Source to Target Database.
* Analyse and create low-level design document (LLD) and mapping document.
* Performed **analysis**, design, development, Testing and deployment for Ingestion, **Integration**, provisioning using **Agile Methodology**.
* Attended Daily Scrum meetings to provide update on the progress of the user stories Rally and to the **Scrum Master** and to notify blocker and dependency if any.
* Provided the **Production Support** by running the jobs and fixing the bugs.
* Experienced in using **Talend database components**, File components and processing components based up on requirements.
* Led design sessions, gathered user requirements, defined and designed conceptual, logical, and physical information/solution architecture to ingest and consume data from multiple source systems and load it to AWS S3 and RedShift using Talend ETL tool.
* Developed jobs to move inbound files to vendor server location based on **monthly**, **weekly** and **daily frequency**.
* Created overall ETL plan including identification of data structures, ETL algorithms, metadata reporting, data cleansing and validation and **BI support**.
* Worked on Global Context variables, Context variables, and Extensively used over 100+ components in Talend to create jobs.
* Created **Talend Mappings** to populate the data into dimensions and fact tables.
* Broad design, development and testing experience with Talend Integration Suite and knowledge in Performance Tuning of mappings.
* Experienced in **Talend Data Integration**, Talend Platform Setup on Windows and **UNIX systems**.
* Created complex mappings in **Talend DI** using **tMap, tJoin, tReplicate, tParallelize, tJava, tjavarow, tJavaFlex, tAggregateRow, tDie, tWarn, tLogCatcher**, **tHashInput** and **tHashoutput**etc.
* Created **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**.
* Developed error logging module to capture both system errors and logical errors that contains Email notification and moving files to error directories.
* Worked in improving performance of the Talend jobs.
* Performed unit testing and integration testing after the development and got the code reviewed.
* Involved in migrating objects from **DEV** to **QA** and then promoting to Production.

**Environment:** Talend Fabric 6.2, Oracle 12c, Ubuntu 15.04, S3, Eclipse IDE, Windows Server, TAC.

**ADP Sep 2015- Sep 2016**

**Talend Developer**

**Durham, NC.**

**Responsibilities:**

* Involved in gathering requirements from users and involved in modifying various Technical Specifications in the Development phase to Maintenance Phase.
* Designing, developing and deploying end-to-end Data Integration solution.
* Developed **joblets** that are reused in different processes in the flow.
* Working with Big Data components like **tHiveInput, tHiveOutput, tHDFSOutput, tHiveRow, tHiveLoad, tHiveConnection.**
* Designed and Implemented the **ETL** process using Talend Enterprise Big Data Edition to load the data from Source to Target Database.
* Involved in Data Extraction from Oracle, **Flat files** and **XML files** using Talend.
* Implemented Dimensions (SCD) **Type1, Type 2** to capture the changes using Talend.
* Created jobs to perform record count validation and schema validation.
* Created contexts to use the values throughout the process to pass from **parent to child jobs** and **child to parent jobs**.
* Provisioned AWS S3 buckets for backup of the application and sync this contents with remaining S3 backups by creating entry for AWS S3 SYNC in cron tab.
* Worked on Error handling techniques and tuning the ETL flow for better performance.
* Worked Extensively TAC (Admin Console), where we Schedule Jobs in Job Conductor.
* Extensively Used Talend components **tMap, tDie, tConvertType, tFlowMeter, tLogCatcher, tRowGenerator, tOracleInput, tOracleOutput, tfileList, tDelimited**.
* Performed unit testing on Talend jobs.
* Develop ETL mappings for various Sources (**.TXT, .CSV, .XML**) and load the data from these sources into relational tables with Talend Enterprise Edition.
* Scheduling the ETL mappings on daily, weekly, monthly and yearly basis.

**Environment:**Talend5.5.1, **Talend BI**, RHEL 7.1, Oracle 12c, S3, SQL Server 12.0, Hadoop 2.6.0, Autosys**,** Git.

**Atlantic Health Jan 2014 – July 2015**

**Talend Developer**

**Morristown, NJ**

**Responsibilities:**

* Designed target tables as per the requirement from the reporting team and designed Extraction, Transformation and Loading (ETL) using Talend.
* Designed jobs/transformations based on the **mapping document** using Talend Data Integration tool.
* Created **Java Routines**, Reusable transformations using Talend.
* Worked with **tNormalize** and **tDenormalize** components.
* Identified performance issues in existing sources, targets and Jobs by analyzing the data flow, evaluating transformations and tuned accordingly for better performance.
* Worked with Parallel connectors for parallel processing to improve job performance while working with bulk data sources.
* Taken the responsibility of implementing Big Data project as part of **health care** reforms and delivered it before the schedule and involving in Daily Production Batch load.
* Developed mappings to load Fact and Dimension tables, SCD Type 1 and SCD Type 2 dimensions and Incremental loading.
* Created Complex Jobs and used transformations like **tMap**, **tOracle** (Components), **tLogCatcher, tStatCatcher, tFlowmeterCatcher**, File Delimited components and Error handling components (tWarn, tDie).
* Schedule Talend Jobs using Autosys.
* Monitoring and generating weekly/monthly/yearly statistics reports on production processes - success/failure rates for causal analysis as maintenance part and Enhancing exiting production ETL Process.
* Retrieved data from Oracle and loaded into SQL Server **Data Warehouse**.
* Created many complex ETL jobs for data exchange and to Database Server and various other systems including RDBMS, XML, CSV, and Flat file structure.

**Environment:** Talend DI, Oracle 11g R2, SQL Server, RHEL 6.4, Control-M.

**Liberty Mutual Dec 2012 – Jan 2014**

**Sr. PLSQL Developer.**

**Dover, NH.**

**Responsibilities:**

* Creating and Debugging of Packages and Procedures & Functions.
* Responsible for requirement **Analysis, Coding, Testing** and Implementation of various modules.
* Gathered and translated business requirements into detailed, production-level technical specifications, new features, and enhancements to existing technical business functionality.
* Developed **PL/SQL** procedures and functions to migrate data between Oracle Databases.
* Extensively used PL/SQL Developer for creating database objects, running the command scripts for inserting the configuration data items.
* Worked on load data from excel into Oracle Table using PL/SQL.
* Used **Oracle Forms** to create new forms and maintain existing forms.
* Automated data loading, extraction, reports generation using **UNIX Shell** scripting.
* Loading data by using **SQL\* Loader** to custom tables.
* Troubleshoot jobs using the debugging tool.
* Involved in reverse engineering of the application using Erwin.
* Used **Erwin** to transform data requirements into data models.
* Analyzed business process workflows and developed ETL procedures for moving data from source to target systems.
* Implemented **shell scripts** for **trouble shooting Oracle Errors** with the help of trace files and scheduled them.
* Configured database performance tools such as Oracle Enterprise Manager, SQL Navigator and used them for tuning of applications.
* Experience performing application development work using Oracle Application Express to design and maintain web applications.
* Provided reliable, timely support of integration, performance and user acceptance testing processes.
* Worked with creating, maintaining, and implementing oracle forms application enhancements and reports that interact with an Oracle database.
* Experience performing development work using Oracle Report Builder on a database system which maintains historical data.
* Used Oracle Enterprise Manager, **TOAD** for developing and managing **pl/sql scripts**.

**Environment**: Oracle 11g, Pl/Sql, SQL \*Plus, TOAD, Oracle Forms 6i, Oracle Reports 6i, Oracle Report Builder, Ms Excel, SQL\*Navigator, Business Objects, Power Builder, shell scripting (Korn).

**HDFC Oct 2011 – Nov 2012**

**PLSQL Developer.**

**Hyderabad, India.**

**Responsibilities:**

* Involved in requirements gathering by interacting with the users and other management personnel to get a better understanding of the business process.
* Converted Functional Requirements into Technical specifications.
* Designed Entity Relationship (ER) diagrams using **ERwin** data modeler tool.
* Interacted with the business users and/or functional team to identify, analyze, and translate business needs into functional specifications.
* Created tables, Tablespaces, schemas, views, packages, stored procedures, triggers, functions.
* Developed stored procedures for loading data into DW tables from different sources like Flat files, XML documents and different **RDBMS** (MySQL, Oracle).
* Developed **SQL\*Loader** scripts to bulk load data from external files into Oracle DB.
* Optimized the performance of costly running jobs by tuning SQL queries and creating indexes.
* Developed Database Triggers for audit and validation purpose.
* Created test cases for System Testing, Integration Testing (UAT).
* Designed revenue reports using Crystal reports.

**Environment:** Oracle 11g R2, MySQL 5.5, RHEL 5.6, Erwin Data modeler 8, Apache SVN 1.6, SQL server 2008 R2, Crystal Reports Xl.

**ICICI BANK Jan 2010 – Sep 2011**

**Jr. PLSQL Developer**

**Mumbai, India.**

**Responsibilities:**

* Developed customizations using **PLSQL** procedures, functions and packages.
* Implemented business rules using database triggers.
* Loaded data to and from flat files and excel sheets using import/export options in SQL Developer.
* Involved in Data migration process from MySQL to Oracle database.
* Performed data export/import tasks to move data between different DBs using Data Pump utility.
* Performed bulk loading activities using **SQL\*Loader** utility.
* Created UNIX shell scripts to automate SQL scripts execution.
* Developed business reports using Crystal Reports.
* Worked on File Transfer Protocol (FTP) tool to transfer files from one server to other.
* Prepared the technical documentation on changes done.

**Environment:** Oracle 11g, **MySQL 5.1**, Oracle SQL Developer 2.1, RHEL 5.4, Crystal Reports XI, TOAD v10.1