**Vaibhav Reddy** 

**Mulesoft Developer**

**PROFESSIONAL SUMMARY**

* Over **7** years of experience in all phases of Software Development Life Cycle (SDLC) and development of Web-based Client-Server applications with over **4** years of experience in Enterprise Service Bus **(ESB)** projects using Mulesoft**.**
* Successful implementation of Service Oriented Architecture (**SOA**) and Enterprise Application Integration (**EAI**) for multiple clients using Mule Soft.
* Hands on experience in using Software development methodologies **Agile Methodology**, **Scrum** and **Waterfall** software development processes.
* Experience in **configuring APIs**, **proxy endpoints**, **API Portals** and **API analytics** based on technical specifications with **Mulesoft API manager**.
* Experience in developing **test cases** and **test plans** by using **MUnit**. Experience in **Unit testing**, **Integration testing** and **User Acceptance testing**.
* Experienced in designing and developing enterprise services using **RAML** in **Mule**, **REST** based API’s, **SOAP web services** and use of different mule connectors.
* Experience in building complex **Mule Flows**/ **Error Handling** strategies/reprocessing. Worked with **Message Filters**, **Message Translators**, **Content enricher** and **Scatter-gather**.
* Created Mule ESB based tooling suite for handling message transitioning, validation, enrichment and routing to upstream and downstream entity data consumers.
* Strong application Integration experience with **Connectors**, **Routers**, **JMS** and **Data Transformations** using Mule ESB.
* Hands on experience in Mule Expression Language(**MEL**) - to access and evaluate the data in the payload, properties and variables of a **Mule message**.
* Worked on **XML** technologies like **XSD, XSLT, XQuery** and **XPath** for data transformations in Mule soft.
* Proficient with Web Services Description Language (**WSDL**) for describing Web services.
* Experience in using **Jenkins and Maven scripts** for building & deploying application in web/App servers.
* Implemented security mechanisms Basic Auth and OAuth 2.0 in mule flows.
* Experience in working with bug tracking tool **JIRA** and Source control for project coordination.
* Worked with the technical leads and Application Development teams in controlling and ensuring streamlined integrating between applications.
* Very Good at analytical skills, problem solving, communication and troubleshooting abilities.

**Technical Skills:**

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| --- | --- |
| **ESB/EAI** | Mule ESB 4.0, 3.9.1,3.8.7,3.8.3,3.7 |
| **Java Technologies** | Core Java, J2EE, Servlets, JSP, EJB – Session/Beans, Entity Beans, JMS |
| **Web Technologies** | Ajax, jQuery, JSON, HTML5, DHTML, XHTML, XML, CSS3. |
| **Web Services** | WSDL, SOAP, REST |
| **IDEs/Utilities** | Eclipse, Any point Studio, IntelliJ |
| **Databases** | SQL Server 2005/2008, MySQL, DB2, Oracle  |
| **Modeling/Business Tools** | Microsoft Visio.draw.io |
| **Version Control** | GIT, Tortoise SVN, Bitbucket. |
| **CI/CD Tools** | Maven, Jenkins, JIRA, Gitlab |
| **Operating Systems** | Windows 2000/XP/7/8/10 |
| **XML Technologies** | XML, DTD, XSD, XSLT, XPATH, JAXP, JAXB |
| **Message Queue** | Apache ActiveMQ, Any point MQ,  |

**Education: Bachelor’s in IT**

 **Master’s in Computer Science**

**Professional Experience :**

**Client: USPTO, Alexandria, VA. Duration: Dec,2019 – Till date**

**Role: Mulesoft Developer**

**Description:** United States Patent and Trademark Office (USPTO) issues patents to inventors and business for their inventions, and trademark registrations for product and intellectual property identification. In the current project I was involved in migrating some its legacy applications from CMDR to SF using Mulesoft and adding new functionalities to improve the performance and provide better experience to its customers.

**Responsibilities / Deliverables**:

* Followed the guidelines of Agile methodologies of **SDLC** including Requirements Gathering, Analysis, Design, Development, Testing, Deployment and Maintenance phases.
* Involved in complete life cycle development using **Mule ESB** based on **SOA** architecture.
* Developed and exposed **SOAP** based **Web services** using **WSDL**, and consumed **SOAP** Web services in the mule flow using Web Service Consumer.
* Involved in deploying applications into **MuleSoft Cloud Hub**, On- Premise and Hybrid servers and applied **OAuth**, transaction policies to the **API** in the Cloud Environment using **Anypoint Manager**.
* Worked with Mule Any point API Platform on designing the **RAML** for implementing **REST API**

and used **API** Gateway as a proxy service.

* Designed and Deployed Restful Web services using **RAML** and configured Input schemas and

Response Schemas using traits and Schemas.

* Created Mule flows using **DB** Connectors like **Mongo DB** and **Database connector** to fetch and upsert data into **SQL** and **NoSQL** DB’s.
* Implemented **Basic** and **OAuth** Authentication security mechanisms for **REST API’s** and exposed the service.
* Worked on migrating mule application to higher versions also worked on migrating deprecated data

mapper code to data weave.

* Used **Data Weave** (Transform Message) and coded data transformation logic according to the

requirements and transformed the messages to different formats and combined two payloads of JSON

format, from two different sources using primary key in Data Weave.

* Orchestrated, full registration process flow of web application and transferred the registrant

details to Database and used message enricher scope to check for duplicate data.

* Good hands on experience using mule connectors like **DB, FTP, FILE, SFTP, Salesforce** as a part of integration usage.
* Configuring the Mule process for fetching the data from topic and makes web service calls to the middle tier **Mule ESB** for processing.
* Implemented choice, global, custom error handling mechanisms based on the business requirement in Anypoint Studio.
* Architected Integrations using **Mule ESB** environments for both on premise and cloud environments.
* Used Pole scope to poll the database and used Watermark feature to prevent the processing of duplicate data.
* Performed the automatic build and deployments of the projects by using **GitHub**, **Jenkins** and **Maven** builds.
* Implemented **Munits** for **Unit testing** by using features like mocking, verify call and assert conditions based on different sets of data.
* Used both **SOAP UI** and **POSTMAN** testing tools for testing the Web services developed using SOAP and RESTful respectively.

**Environment:** JAVA, Mule ESB, Mule Management Console, Anypoint Studio, Splunk, GitHub, Jira, Confluence, Apache-Maven, ActiveMQ, RAML, MongoDB, MSSQL, XML, JSON, PL/SQL, SQL, Log4J.

**Client: Otsuka Pharmaceutical, Princeton, NJ. Duration: Dec,2018 – Nov,2019**

**Role: Mulesoft Developer**

**Description:** Otsuka Pharmaceutical Development & Commercialization, Inc. engages in the research and clinical development of healthcare products. The company develops new treatments and indications focusing on neuroscience, oncology, hospital, and medical device areas for diseases. It develops drug candidates and conducts clinical studies in various therapeutic areas.

**Responsibilities / Deliverables**:

* Involved in Requirement gathering, analysis, design, development, implementation and deployment of software development Life Cycle (**SDLC**) of the Project.
* Implementing the project in **Agile Methodology-Sprint** and **Scrum**.
* Worked in developing middle tier applications using Enterprise Service Bus (**ESB**) - **MULE**.
* Designed and Developed the Interfaces of the application using **Mule Anypoint Studio**.
* Created inbound and outbound flows as well as transformations and orchestrations by using **Mule ESB**. Developed the services with synchronous and asynchronous **Mule flows in Anypoint Studio.**
* Created Flows, Sub-Flows, Exception strategy Handling and Data weave transformations for the applications developed in **Mule Configuration**.
* Created **Mule** Flow using **Connector and Component bean** using **Mule** ESB to communicate client/server systems
* Used **Mule ESB** to design of routing schemas, Error handling, JMS**,** VM connection and spring-based resource initialization process.
* Develop API isolate/integration layers using MuleSoft Design Center **(RAML)**
* Used **Mule** components like FTP/**SFTP Transport, SMTP Transport, File Transport, JDBC Connector, and Transaction Manager in the Mule flows.**
* Responsible in developing integration workflows using Mule ESB framework and implemented **Data weave** and content-based routing using Mule ESB.
* Migrated **Mule ESB 3.7.3** apps to **Mule ESB 3.8.3** and Updated all the dependencies required for the project.
* Migrated deprecated **Data Mapper** to **Data Weave** in MULE ESB and transformed data into different formats.
* Used Scatter-gather connecter for sending the message to multiple targets.
* Used Validation Component to Validate the Incoming message before processing through the flow.
* Architected Integrations using **Mule Soft ESB** environments for both On-premise and **Cloud hub** environments.
* Worked with **Data Weave** Transformations with the Complex logic and created the files in different formats.
* Design and Implemented **SOAP/RESTFUL** Web Services to provide the interface to the various clients.
* Used **Java Message Service (JMS)** for the applications to retrieve messages from the queue.
* Worked on consuming and developing API's for **SOAP** and **REST** based Web services to integrate third party functional modules into the core application.
* Used Custom Java Component classes for the Data transformations.
* Worked on Authentication by using OAuth 2.0and SSL.
* Utilized **integration** technologies such as **HTTP, XML/XSLT, JMS, JDBC, REST, SOAP, Web Services** and APIs to develop what the customer needs.
* Used **Jenkins** which provides continuous integration and continuous development for various projects.
* Used **Database** Connectors to connect with **SQL Server and AS400 IBM** to retrieve data using Mule ESB.
* Integrating data using **JMS, HTTP, Web-Service connectors** for the Interfaces developing.
* Implemented **Choice, Custom Exception handling** mechanism for any errors that occur in Mule flows.
* Used **Git hub** for version and source control, **Active MQ** for messaging and involved in **unit testing**.
* Used **Object Store connector** to store the data whenever there are any configuration issues with **Database**.
* Deployed the Mule ESB applications to **On-Premises** and **Cloud Hub** environments using Anypoint platform.
* Used **Log4J** to capture the Error log that includes runtime exceptions and errors and will fixed the problems.
* Build application jar files and deploy to on-premise servers using Jenkins CI/CD pipelines
* Involved in writing **MUnit** test cases to validate the Mule flows as part of unit testing and functional testing.

**Environment:** Java 1.8, Anypoint Studio 6.4.2, Oracle-SQL, SQL Server, AS400 IBM, Mule ESB 3.8, Log4j 1.2.14, Windows 7, GIT, JIRA, SOAP/REST Web services, API gateway 2.1.1.

**Client: Restoration Hardware, Corte Madera, CA Duration: Oct,2017 – Nov,2018**

**Role: Mule Integration Developer**

**Description**: **RH** is an American home-furnishings company headquartered in Corte Madera, California. The company sells its merchandise through its retail stores, catalog, and online. The company operated a total of 59 galleries, 6 full line design galleries, and 3 baby & child galleries. The company also has 18 outlet stores in the United States and Canada.

**Responsibilities / Deliverables**:

* Involved in Analysis, Design, Coding, and testing phases of the project development.
* Used **Agile** methodology was to emphasize on face-to-face communication over written documents and make sure that iteration is passing through a full software development cycle.
* Designed **UML diagrams** like Use case, Class and Activity diagram based on the requirements gathered.
* Involved in Writing Controller Classes, and **DAO** Classes Using **Spring MVC** framework.
* Extensively used **Mule OOB components** like File **Transport**, **SMTP** **Transport**, **FTP**/**SFTP** Transport, JDBC Connector, Transaction Manager.
* Created Request & Response transformers, Custom Components & configured them in **Mule-config.xml**.
* Created **Mule** Flow using **End Point, Connector and Component bean** using **Mule** ESB to communicate client/server systems.
* Performed integrated with other subsystems through **JMS, XML and XSLT**.
* Implemented application communication through asynchronous messaging using **MDB**.
* Used **MMC** (**Mule** management console to monitor the request and response payload).
* Developed stored procedures and trigger to store and access data in the Database **Oracle** 11g.
* Experience in **MuleSoft** **AnyPoint** API platform on designing and implementing **Mule** API’s.
* Strong knowledge and hands on experience in documenting and designing **REST API's** using **RAML** File.
* Experience in developing interfaces between **Salesforce and Oracle ERP** using Informatica **Cloud**/**Mule** ESB technologies.
* Migrated **Mule ESB 3.5** apps to **Mule ESB 3.7.3** and updated all the dependencies.
* Developed an Integration Component with third party application using **Mule ESB**.
* Involved in Transformations using XSLT, Data Weave, and Custom Java Transformers to transform data from one format to another format using **Mule ESB**.
* Integrating data using SAP, Sales Force, JMS, HTTP, Web-Service connectors.
* Developing **Mule ESB** projects for the services with synchronous and asynchronous **Mule** flows.
* Developed **Mule** flows to integrate Data from various sources into Database, from **ActiveMQ** topics and queues, some transformations were also done at the integration layer.
* Developed the services interface to access the core services and provisioning services using **Mule ESB.**
* Developed test scripts in **JUnit, MUnit & Mockito** and involved in testing.
* Used **Log4j** to capture the log that includes runtime exception and for logging info and are helpful in debugging the issues.
* Architected Integrations using **Mule Soft ESB** environments for both on premise and **Cloudhub** environments.
* Used **Git hub** for version and source control and Active **MQ** for messaging and also involved in **unit testing** and writing the **MUnit Test cases for the flow flows**.
* Involved in creating **JUNIT** test cases and ran the **TEST SUITE using EMMA tool.**

**Environment:** JAVA 1.7/1.8, Mule ESB 3.7.3, MMC, ActiveMQ, Anypoint Studio, Nexus, RAML, RabbitMQ, Apache-Maven, Cloudhub, Filezilla, HTML, JavaScript, XML, JDBC, JAXB, DAO, Log4J, CVS, Web Services – WSDL, SOAP, CXF, JAX\_WS, JAX-RS.

**Client**: **DTCC, Jersey City, NJ Duration**: **Jan**,**2016 – Sept,2017**

**Role**: **Java Mule ESB Developer/Tester**

**Description:** The Depository Trust & Clearing Corporation (DTCC) is an American post-trade financial services company providing clearing and settlement services to the financial markets. It performs the exchange of securities on behalf of buyers and sellers and functions as a central securities depository by providing central custody of securities.

**Responsibilities / Deliverables:**

* Involved in Agile – Sprint methodologies to do requirements gathering, analysis and planning. Involved in gathering requirements from existing functionality for the custodians.
* Involved in writing the code for the server-side validations in **JSP.**
* Developed the entire alert monitoring system for adjudication.
* Built **JAX-WS** services and exposed them securely using **CXF** component.
* Consumed both internal and external **SOAP** web services using Web Service consumer.
* Migrated existing services from **CXF** to use Web Service consumer.
* Built JAX-RS services and exposed them using **REST** component.
* Implemented clustering and throttling concepts for **Mule** based solutions.
* Extensive experience in implementing model-view-controller (**MVC**) architecture using **Angular Framework**.
* Deployed **Mule** applications into **MMC (Mule Management Console)**.
* Gather requirements and planning on integration of both SAS applications using **Mule ESB**.
* Developed an Integration Component with third party application using **Mule** ESB and WebSphere MQ.
* Worked on connectors like **SMTP, SFTP, FTP, IMAP** which overridden the existing functionality which suits the requirements using **MuleSoft**.
* Used **SoapUI** to test the Web services.
* Designed **RESTful** **Web services** using **RAML** and shared with internal clients.
* Used **MUnit** for **Mocking** and **Unit** Testing **Mule** flows.
* Used various transformers for transforming between different data formats.
* Extensively used routing for integrating the applications.
* Involved in creating http inbound & outbound flows, custom Java and **XSLT** transformers and security of **Mule** endpoint through **WSSR.**
* Creating cluster environment using **Mule** **ESB** with **Mule** **AnyPoint** Studio and Creating **ActiveMQ** with different topologies in Enterprise Integration.
* Had experience in using the enterprise security, notifications features provide by **Mule**.
* Created **Mule ESB** helper class to call the **Mule** flow, connection end point and connectors directly from Java component instead of creating another **Mule** Flow.
* Used Database connector for connecting **Oracle** Database in the **Mule** flows.
* Developed a **RAML** based **REST** web services **API's** using **Mule ESB**.
* Involved in creation and deployment of the application, done with **unit testing by writing the MUnit test cases.**
* Used **TDD (Test Driven Design)** to develop the software. Therefore, Unit testing was done repeatedly on source code.
* Used Spring framework for **IOC, AOP and DAO** layer design patterns.
* Worked on **Hibernate** object/relational mapping according to database schema.
* Coded **SQL**, **PL/SQL** for backend processing and retrieval logic.
* Used **SVN** as version control system.
* Resolving spring framework artifacts and code build & deployment via **Maven**.
* Worked on bug fixing and Production Support.
* Responsible for Coding, Unit Testing and Functional Testing and Regression Testing of the systems.

**Environment:** Java, Servlets, JSP, Hibernate, Spring, MuleSoft ESB 3.5, API Manager, Anypoint Studio, ActiveMQ, Salesforce, JMS, EJB, Hibernate, HTML, XML, Design patterns, Web services, UML, Junit, JQuery, Oracle.

**Client**: **Knoah Solutions, Hyderabad, India Duration: Aug,2013 – June,2014**

**Role:**  **Software Engineer**

**Description:**Knoah Solutions is a global IT solutions provider with decades of experience of working with industry leading clients, including those who feature in the Fortune 500 list. Our expertise includes delivering solutions for implementing healthcare insurance exchange (HIX), health information exchange (HIE), electronic medical records (EMR), and health data analytics leveraging Big Data frameworks. In addition, we have delivered state of the art IT solutions for population health, health data security (viz., HIPAA) and mHealth, keeping pace with how the industry is evolving.

**Responsibilities / Deliverables:**

* Implemented **MVC** design pattern using **Struts** Framework.
* Worked with customers to gather requirements and developed use cases and test plans.
* Involved in designing the application by drawing UML diagrams using **JUDE** tool.
* Designed a flexible and highly dynamic framework that incorporates robust marshaling and unmarshalling from XML and allow rapid development & deployment of web services by aggregating back-end service invocations.
* Developed the UI pages using **HTML, DHTML, JavaScript, AJAX, JQUERY, JSP and tag libraries**.
* Produced and consumed web services using **WSDL, SOAP, JAX-WS, Apache CXF, JAXP & JAXB**.
* Developed web services using Restful technology to support **JSON** and **XML** using JAX-RS
* Used **JSP** for **presentation layer**, developed high performance object/relational persistence and query service for entire application utilizing Hibernate.
* Developed web application using **JSP** custom **tag** libraries, **Struts** Action classes. Designed Java Servlets and Objects using **J2EE** standards.
* Implemented application using **Struts MVC** framework for maintainability.
* Implemented design patterns - **Session Façade, Singleton, Factory, Service Locator, DAO, & VO**.
* Developed the server-side components (**EJBs**) following the MVC architecture and Struts Framework.
* Involved in Authentication & authorization checks using x.509 digital Signatures.
* Implemented **JMS** to communicate with other applications in deciding the further processing
* Developed reference architecture for **SOA** environment.
* Developed the **XML** Schema and Web services for the data maintenance and structures.
* Designed database and created tables, written the **SQL** Queries and stored procedures as per the requirements.
* Used **Log4J** for logging and tracing the messages.
* Involved in coding for **Junit** Test cases, **ANT** for building the application.

**Environment:** Java, JSP, Servlets, Struts, Hibernate 3.0, Web services, XML, HTML 4, JDBC, JBoss Application Server, Junit, Maven, Log4J, SVN, Oracle 10g, UNIX.

**Client: EE Soft Solutions, Hyderabad, India Duration: Feb,2012 – Aug,2013**

**Role: Java Programmer**

**Description:** EE Soft Solutions began provides high quality data services to the litigation support industry and quickly established itself as the premier company in this space. We became known for our great communication skills, exceptional quality and competitive prices. The highly demanding legal services industry requires a strong security infrastructure as well as well documented processes. This led us to go through the difficult process of acquiring our ISO certifications (ISO 27001 for security and ISO9001:2008 for process integrity) in 2012.

**Responsibilities / Deliverables:**

* Involved in the systems study and designing of the project.
* Involved in several phases of the project including application analysis, technical design, development, debugging, testing & documentation and incorporation of user feedback to plan enhancements in the application system.
* Developed the code for the tabulated listings, reports and charts for the performance of the employees using **MVC** design pattern and on Struts Framework (**Struts** MVC) and data access.
* Involved in development and deployment of application on **LINUX** environment.
* Developed front-end user interface modules by using **JSP, HTML and CSS**. Front-end validations of user requests carried out using JavaScript.
* Developed Interacting **JSPs & Servlets** for modules like User Authentication and Performance Display.
* Developed the Actions classes, logic classes for executing business logic, **DAO** classes to access the Database using **JDBC**.
* Used **Clear Case** as a source code controller, Used Clear Quest for issues and defects (bug tracking).
* Used **ANT** Scripts to build and deploy the applications on WebSphere application server.
* Involved to develop Multithreading for improving CPU time.
* Responsible for code reviews, writing unit test cases and unit test using **JUnit**.
* Monitored error logs using **Log4j** framework.

**Environment:** JAVA, JSP, Struts, JDBC, HTML, CSS, JS, Web Services, DB2, WebSphere, ANT, Log4j, JUnit.