**Arshpreet Singh Bhandal**

**Professional Summary:**

* 6+ years of IT experience that covers in-depth understanding and exposure to requirement gathering, analysis, design, development, implementation and deployment of various Integration projects. 4+ years of experience with Mule ESB, Mule API, Mule Anypoint Studio, Mule Cloud hub and RAML.
* Mule ESB experience in implementing Service-Oriented Architecture (SOA) and Enterprise Application Integration (EAI) using Mule Server 3.x, 4.x.
* Extensively worked on Any Point Studio and Mule Integration Platform and used it to interface application services by utilizing message routing, data transformation and service creation utilities.
* Participated in deployment of Mule ESB applications using Cloud Hub, On-Premise, Hybrid and Strong experience in Integration using Mule ESB in integrating various third-party solutions.
* Hands on experience in Mule Soft Expression Language(MEL), DW 1.0 and DW 2.0 to access payload data, properties and variable of Mule Message Flow.
* Responsible for writing application code, development activities for large projects especially in a SOA environment with Mule Soft ESB.
* Conducting user interviews and acting as a liaison between the customers, development team, and testing team.
* Extensive experience in Business Requirements Gathering and writing skills with expertise in developing and documenting Business Requirement Document(BRD), Functional Requirement Document(FRD), and Software Requirement Specification(SRS) across the deliverables of a project.
* Design(OOD) using UML and SDLC of distributed applications. Well experienced in using Mule Soft Studio that integrates APIs, databases and SaaS applications and deployed Mule Soft applications to Cloud Hub and on-premise servers.
* Extensively worked on both Enterprise and Community edition of MULE ESB. Experience working with MULE API manager and RAML.
* Experience in System monitoring, On Call Production Support for infrastructure, maintaining availability of SAP Production Landscape and resolved Incidents based on their priority.
* Knowledge of Oracle ADF Framework to develop web applications. Working experience in implementing ESB Integration Services using Mule Soft ESB.
* Utilized Mule Soft features like Data Weave, API designer and various connectors to ensure robust and loosely coupled integration layer every time.
* Responsible to develop RESTful and SOAP web services in Mule ESB based on SOA architecture.
* Strong application integration experience using Mule ESB with connectors, transformations, Routing, Active MQ, JMS and RabbitMQ.
* Ensure the sanity test of the applications post deployment.
* Monitored error logs and fixed the problems by capturing the logs using log4j. Monitored all the applications in production. Field experience with Junit and Log4j in developing test cases and determining.
* Good knowledge and worked on several Azure, Google Cloud Platform and OpenStack IaaS, PaaS and SaaS tools.
* Widely experienced with Mule ESB in designing and implementing core platform components for API/Services Gateway as well as other technological cross-cutting capabilities and a contributor to Mule ESB open-source.
* Created Mule ESB based tooling suite for handling message transitioning, validation, enrichment and routing to upstream and downstream entity data consumers.
* Technical experience in the areas of Object-Oriented Analysis (OOA) and Object-Oriented Programming(OOP).
* Experience in ANT and Maven build tools for building and deploying the application in web/app servers and vast experience with java multithreaded programming.
* Effective communication and interpersonal skills, ability to work in a team/independently and adapt quickly to new and emerging technologies.

**Technical Skills:**

**Programming Languages**: Java, C++, C, PL/SQL, SQL.

**Frame Works**: Custom MVC, Struts, Spring, and Hibernate.

**IDEs**: Eclipse, Net Beans, Any-Point Studio.

**Mule**: Anypoint Studio, Mule EE 3.5, 3.9, 4.x, RAML, Data Weave 1.0 and 2.0, Cloud hub, On-Premise, Hybrid, MMC, Anypoint Platform, API manager, Runtime manager.

**Web Methods:** API, SOAP - API, WSDL - API, HTTP, XML, REST, JERSEY, WS-Security.

**XML technologies**: XML, DTD, XSD, XSLT, XPATH, JAXP, JAXB.

**Web/Application Servers**: Apache Tomcat, WebSphere, Web logic and JBOSS.

**Data base**: Oracle, MySQL, IBM DB2, MS SQL Server.

**Build & Integration tools**: Ant, Maven, and Jenkins.

**Version Control Tools:** CVS, Git Hub, SVN.

**Operating System**: Windows, Unix/Linux

**Work Experience:**

**Client:American Express (Bentonville, Arkansas)                         June 2018 – Till Date**

**Role:Mulesoft Developer**

**Responsibilities:**

* Building integration applications to connect various endpoints as independent source and target adapters which share data and metadata through RabbitMQ and Oracle Database.
* Orchestrated full Software Development Life Cycle (SDLC) starting from collecting Business specifications, Analysis, Design and Development, Testing and documenting the entire life cycle using various methodologies like Agile, SCRUM and Test-Driven Development called as Hybrid Engineering. Where Development and QA/automation testing is done by developers from same team.
* Build API-led connectivity API’s like Experience, Process and System API’s to leverage MuleSoft C4E.
* Developed source adapters which publish data from a source system to multiple intermediate layers like message queues, Oracle Database, internal cache servers.
* Developed and tested target adapters which consume data from internal systems and publishes updated data into target endpoints.
* Invoke flows using schedulers, Http, Tidal. Source and target adapters run individually from each other.
* Used HTTP, Salesforce, JMS, SMTP, FTP, Database, File, VM, Workday, Web Service Consumer and AMQPS, Flow Reference, Choice Router, Poll, Session Variables, Flow Variables in Mule.
* Utilized the following Mule components extensively for development – Salesforce connector, SAP connector, Choice router, Scatter – Gather router, Expressions connector for plugging in custom java expressions, DataWeave transformers, etc. And used MEL(Mule Expression Language) to manipulate payloads.
* Created batch processing using Mule batch flows. Leveraged batch processing using Messaging Queues and VM to improve performance of the applications.
* Deployed application and developed flows/orchestrated the integration of the components written on top of different internal platforms using MuleESB and ActiveMQ.
* Worked on using Workday data for various integrations in EI (Enterprise Integration) applications.
* Developed custom exception handling, flow designing, testing & Security of Mule ESB endpoint.
* Performed the automatic deployment of the projects by using maven builds. Used Maven for importing jars from Nexus.
* Developed Component Tests for Application level Test cases. Involved in unit testing and writing the MUnit Test cases for the flow flows.
* Used Git for code collaboration, code review and releases. Followed client standards on branching strategy. Automated Jenkins pipeline triggers after review and merge into standard branch to create a release.
* Worked on Performance testing to meet SLA standards. Created automated data setup for normal and peak load and tested performance metrics using JVisualVM and JConsole.
* Gained experience in designing REST API's in API-Led connectivity approach by developing System, Process and Experience API’s using RAML File.

**Environment:** Mule ESB 3.8, Mule 3.9, Mule 4.x, Agile, Scrum Methodology, Maven, SOAP, RESTful, Salesforce, JSON, XML, API-led connectivity, Maven 3.5.4, Nexus,Splunk,Anypoint Studio 6.2.5, Anypoint Studio 7.3, API Manager, Runtime Manager, RAML 1.0.

**Client:NVIDIA(Santa Clara, CA) Jan 2015 – May 2017**

**Role: Java/Mulesoft Developer**

**Responsibilities:**

* Involved in requirements gathering, analysis of existing Design Documents, planning, proposing changes by analyzing new Wire Frames, Development and Testing of the application
* Implemented the project under the guidelines of agile methodologies of SDLC.
* Co-authored technical specification documents for the developed modules.
* Worked with an offshore Mule team and collaborating with them on deliverables.
* Participated in daily scrum calls and bi-weekly sprints.
* Designed and developed integration applications using Mule to integrate SAP and Salesforce applications using Mule ESB 3.7 runtime, Anypoint Studio 6.5 and CloudhubiPaaS (Integration Platform as a Service).
* Implemented Security Mechanisms like Security Certificates, Key Exchange, Encryption, Description and OAuth Authentication & Authorization using Access Token and SM Session Cookie.
* Used MULE Batch Processing to process records from Database.
* Utilized various connectors such as FTP, HTTP, File, SMTP, SFTP, Servlet, Quartz, and Database in different workflows.
* Implemented choice, global, custom exception handling mechanisms based on the business requirement in Mule ESB,
* Created new and updated existing APIs using RAML 1.0 and API KIT for defining integration schematics.
* Create flows where request could originate from either side SAP to Salesforce and vice versa by using two implementations – RFCs andIDoc.
* Utilized the following Mule components extensively for development – Salesforce connector, SAP connector, Choice router, Scatter-Gather router, Expressions connector for plugging in custom Java expressions, Dataweave Transformers, etc. And used MEL (Mule Expression Language) to manipulate payloads.
* Built flows for Oracle database where the other teams will use the URL by giving values to the provided parameters.
* Implemented synchronous and Asynchronous messaging scopes using Active MQ in Mule.
* Used Database Connectors to connect with respective systems using Mule ESB.
* Configuring the Mule process for fetching the data from topic and makes web service calls to the middle tier Mule ESB for processing.
* Troubleshot issues detecting in development and testing phase by logging into Salesforce and reviewing data like job ids, custom objects (their fields and relationship with other objects), status of bulk Insert/Upsert batch jobs, etc.
* Executed the flow from SAP, by using Logon pad, and by using various transactions like sa38, se 38 and by providing variants and program names of the SAP System.
* Created views and some records on Salesforce side to test the flows from Salesforce to SAP end.
* Collaborated with Salesforce and SAP team to write requirements on how different fields and data types on each side would be mapped using Mule service.
* Extensively used Mule Debugger to debug the XML Flows and wrote Munit Test Cases using features like mocking event, verify call, and assert conditions based different sets of data.
* Utilized Jira tool to estimate and track User stories, analyze BurnOut Graph, Bugs, defects and other features.
* Utilized Postman tool for testing the URLs by using get,postand other methods selection and used various authentication methods.
* Utilized Github as the version control system and maintain code repository with changes being done parallel by onshore as well as offshore teams.
* Used Maven for Deployment , Jenkins for Continuous Integration and Continuous Development.
* Worked with BuildTeams did Mule administration, configuration and tuning. Deployed Mule applications on Mule 3.7 On Premisethrough MMC and managed the server deployments.

**Environment:** Java 1.8, Anypoint Studio 6.5.0, MS-Access, Mule ESB 3.7.3, ActiveMQ 5.3, Apache-Maven 3.3.9, Nexus, RAML, Cloudhub, Log4j 1.2.14, GIT,JIRA, API Gateway2.1,BitBucket, PostmanConfluence, Jenkins, Splunk.

**Client: Nitya Software (Hyderabad, IND) March 2011–Dec 2015**

**Role: Java Developer**

**Description**

* This project facilitates shopping of a variety of products online using e-commerce application. It is developed using Java and HTML as the front end and Oracle as the backend.
* Servlets are used as the middle tier.
* There is a facility to view the shopping basket after the items are selected. Further, the quantity of each item can be changed directly through the shopping basket if so desired.
* A product specific search engine is also provided to directly go to the product of the customer’s choice. Elaborate validations are included in the inventory management and credit card authorized systems.

**Responsibilities:**

* Involved in various stages of Software Development Life Cycle (SDLC).
* Developed Online Shopping System using J2EE technologies.
* Created HTML, CSS pages for front-end, used JavaScript for client-side validation.
* The Front-end was developed using JSP for dynamic page generation.
* Designed and developed back end using Servlets and JavaBeans.
* Document programming problems and resolutions for future reference.
* Maintain and update documentation as needed.
* Worked on SOAP based Client and Server Web Services.
* Implemented SQL and Stored procedures for Oracle9i database.
* Implemented database interactions with Oracle 9i using JDBC API.
* Created data access objects (DAO) to access the Oracle databases using SQL queries and JDBC technology.
* Created JUNIT test case for various functional modules, modified, debugged and executed using JUNIT plug in to Eclipse IDE.
* Used Log4J to generate log files for the application.
* At database end, responsibilities included creation of tables, integrityconstraints, stored
* procedures, triggers and views.
* Designed, developed and deployed on Web Logic.

**Environment:** Java, Servlets, JSP, JDBC, Oracle9i, HTML, SQL, CSS, SOAP, JavaScript, Web Logic, Junit, Log4j, JavaBeans, Eclipse.

**Education:**

* Bachelor’s in Computer Applications Lovely Professional University (LPU), IND (2007-2011)