**Samsel Dsouza**

**Professional Summary**

I am an aspiring **Full Stack Software Developer** with around **6 years** of professional experience with a focus in Java & C++, specializing in both front-end and back-end development. Experienced at managing projects from the requirements gathering / needs identification phase thr-ough to completion. Developed / customized software’s like CATIA, DELMIA, ENOVIA, Web-based systems utilizing Front-end technologies **HTML/CSS, jQuery, Angular, JavaScript, Ajax, and Bootstrap.**  In addition, I have worked on backend technologies like **Oracle SQL, Hibernate, and JDBC**. Created various learning materials and program plans, while working closely with managers and training team members. I am skilled in tracking details, communicating deadlines, and following up with internal and external partners to ensure on time completion of project. I also have the ability and interest in learning and incorporating new technology.

* Designed multiple front-end views utilizing **HTML / CSS** styling
* Leveraged **Bootstrap** in the design of web applications
* Coded **jQuery** to validate client side data for **HTML** user interface
* Utilized **Angular** to create single-page applications
* Created **JSP's** with dynamic scripting capability that works in tandem with **HTML** code
* Implemented Object-Oriented programming projects using **Java** within applications
* Utilized **Hibernate**, **JDBC** to configure and connect application to **Oracle SQL** database
* Created code to insert, update, select, and delete from the **Oracle SQL** database (also using PL/SQL Procedures, functions, triggers & Sequences)
* Configured and developed a Spring Boot Application in my Last Project ( Associate Evaluation System)
* Developed, implemented, managed, and maintained system application **Oracle SQL** database
* Developed and implemented unit tests utilizing **JUnit**to test applications
* Configured **Amazon Web Service** server to host **Tomcat, RDS** services and **Jenkins** for continuous integration and deployment.
* Utilized **GIT**to manage application repositories and version control
* Configured service and **DAO** methods utilizing **Java** and **Spring** **MVC** technologies.

**Education**

Master in Computer Engineering from Pune University, Maharashtra, India

**Technical Skill**

|  |  |
| --- | --- |
| Back-End | Oracle SQL, PL/SQL |
| Front-End Technologies | AJAX, AngularJS, HTML, CSS, Bootstrap, jQuery, Servlets, JSP |
| Languages | Java, C++ |
| Web Servers | Tomcat |
| Operating System | Windows 2000/XP/Vista/Windows 7 |
| Middle-Tier | Hibernate, Spring(MVC), JUnit, Log4j, JDBC |
| Others | Spring-Boot, GIT, XML, JSON, SOAP, TortoiseSVN, AWS (Amazon Web Services) |
| IDE’s | Eclipse, Visual Studio |

**Professional Experience**

**Revature LLC, Reston VA Feb-2017 to Present**

**Developer Hub**

The Developers Hub System allows users the ability to search for assistance connecting employees with a particular expertise or technology from within a company. Users are able to log in, search, and select qualified employees in which to communicate with to resolve their problem. Employees are able to respond to email or meeting requests. Administrators are able to add, customize, and remove filters, along with updating user profile information.

**Responsibilities:**

* Created user stories and finalized on requirements and data Structure
* Implemented & Managed **JDBC** connection to connect with **Oracle SQL**database
* Designed & Implemented Dashboard (View + Controllers)  on **single-page application using**HTML ,CSS  , Bootstrap ,AJAX ,spring mvc
* Client data validation for all roles using ,jQuery
* Created CRUD services for filters, Manage Meetings, Mails & User profiles.
* Implemented Reusable code & Dynamic HTML elements
* Configured **AWS Jenkins**to integrate and deploy application on**Tomcat**server (EC2).

**Environment:**

Hibernate, Spring, JSPs, Java, Log4J, HTML, CSS, Angular, JavaScript, SQL

**Associate Evaluation System**

The Associate Evaluation System allows for the screening of potential Revature candidates based upon an initial coding quiz. Recruiters are able to log in and send a quiz to a candidate, and see the scores of their candidates. Candidates are able to receive and take quizzes. Trainers are able to add and remove quiz questions, create quizzes, and upload questions from a file.

**Responsibilities:**

* Study /Enhancement/Testing of Existing Spring boot Application
* Updated ace-Editor pagination issues for initialization one or more code snippets
* Modified Beans / Services / Controllers to save User Selections in the current session in the Database.
* Resolved Drag-Drop Related CSS issue.
* Resolved performance issues to save only the specific answer selected to save.

**Environment:**

Spring Boot, CSS, HTML, JavaScript, Angular, Java, SQL, Hibernate, Spring(MVC), Log4J

**TRMS - Java**

The Tuition Reimbursement System, TRMS, allows users to submit reimbursements for courses and training. The submitted reimbursement must be approved by that employee's supervisor, department head, and benefits coordinator. The benefits coordinator then reviews the grade received before finalizing the reimbursement.

**Responsibilities:**

* Built user intuitive web application using **HTML / CSS, Bootstrap, AJAX**
* Designed and configured Database **Oracle SQL**repository
* Implemented **JDBC** connection to connect with **Oracle SQL**database
* Developed the DAO and the CRUD methods needed to solve each use case
* Created Servlets which POST's requests to a Request Helper
* Utilized**jQuery**to validate client information
* Constructed **JSP** pages and implemented front end authentication

**Environment:**

JSPs, Servlets, Java, JavaScript, HTML, CSS, JDBC, SQL

**Dassault Systèmes (formerly known as 3dPLM Global Services) BOSTON Jul-2015 to Jan-2017**

3DGS offer highly scalable best-in-class quality services to Dassault Systèmes and its System Integrator Partners and VS Channel Partners, in order to accelerate, ease and ensure the deployment of Dassault Systèmes’ 3DEXPERIENCE Platform

**PSA Peugeot Citroën:** Groupe PSA is a French multinational manufacturer of automobiles.  Dassault Systèmes was recognized for its 3DEXPERIENCE platform as a key enabler of the digital transformation of Group PSA's global research and development. Developing and testing various commands on RFLP Workbench to define Requirement, Functional Logical and Product line and its connectivity. Generating Reports and logs for commands being executed, Information of the variants being processed and its maturity status review details and applying /setting attributes based on criterion. Sending Data required from CATIA Application to ENOVIA Application through web services deployed on ENOVIA Server & vice versa.

**Responsibilities:**

* Assign JIRA's to Team members
* Discuss about Requirement Specification with Team members and Counterparts.
* Create / Modify UI and Batch Commands.
* Update Team Tracker and update the counterparts about the current Status.
* Conducting Training Sessions for knowledge sharing.
* Develop commands on Requirement, Functional and logical (RFL) Central, & Variant Central.
* Applications / Products modified are CATIA(Product Designing Application) & ENOVIA (Web based Product lifecycle management Application

**Environment:**

Core Java, XML, CATIA (RFLP Workbench / Product/ Navigation Silver Window), ENOVIA (Varient Management, Program Central, Engineering Central, Web-Services) ,C++

**HONDA**

This project involved migrating data from 13x to 14x version followed by integration process (Build and Deploy on the server). The deprecated methods were to be analysed replaced and tested for same functionality in working. Developing / updating commands for exiting UI Commands.

**Responsibilities:**

* Migration of code from DELMIA V6 R013x - 2014x.
* Studying Existing Delmia API's for migration.
* Creating / updating delmia  UI/Batch commands

**Environment:**

DELMIA V6 13x & R2014x, VISUAL STUDIO 2012, SCM Version Control

**Dassault Systèmes (formerly known as 3dPLM software solutions (Pune) Jul-2011 to Jun-2015**

**HONDA**

Command to be developed for Exported System structure in a form of .xlsx which is in (V4 or V5 or V6 version) to be imported into CATIA V6 application. Generating a Manufacturing bill of material from given Product / Engineering Bill of material. Mapping of attributes from Version5 to Version6 through available services/ API’s. Web command in ENOVIA application to open the product in page in the design software (CATIA) which involved Java Script VBScript to CATIA Application API’s.

**Responsibilities:**

* Implementation of scenarios involving Import System Structure, Update of MBOM structure for a given EBOM structure.
* Performing feasibility study and designing solutions.
* Implementation of Web service to have a communication between client and server.
* Involved JavaScript, VB console application, Create a VB (Automation) interface to access the CAA Code.

**Environment:**

C++, JavaScript, VBScript, ENOVIA WebServices, DELMIA V6 (Process, System, Product, Resource Workbences).

**PSA Peugeot Citroën**

Developing UI & Corresponding Batch commands to Export V6 Product / Process & System Structures. Import File Based Product Structure form 3rd Party Software to CATIA / ENOVIA V6 Application. Command to Create and saving the structure on V6 Server based on the Structure imported.

**Responsibilities:**

* Developing /Customizing/maintaining CATIA V6, exporting and Importing related commands .
* Creating UI/Batch Commands for RFLP Editor.
* Enhancement for commands related to DELMIA V6. (Process and System Workbench)

**Environment:**

Core Java, CATIA V6, DELMIA V6, ENOVIA V6, JIRA, TortiseSVN, C++, XML, CATScript

**Renault**

Creating UI commands for People and Organisation (PnO) to define the level of access to execute the available commands on the Page / Workbench and access to edit or create Products in the database. Fixing Bugs & Maintaining the Existing Code. Enhancement / Improvements to existing Batch Commands. Creating Test Cases / Testing Frameworks.

**Responsibilities:**

* Implementation of Requirement Specifications
* Developing UI / Batch commands, unit test cases
* Contribution towards convergence and maintenance of the code
* Using MQL commands for managing the schema and PnO
* Maintenance and fixing of code on CAA areas
* Responsible for deliveries including communication with Plateau for a stable delivery

**Environment:**

Core Java, C++, CATIA (V5 & V6 R2013x), Visual studio (2008), and TortoiseSVN

**HONORS & AWARDS**

Pinnacle Team Award: For cycle Q4, 2011-12 (Renault new pdm team)

The Best Teams of the Brand: For cycle H1 & H2-2013 (Honda project)

Star Performer: Honda Project (2013-2014)