**Software Engineer**

**Mala Sree**

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* **SUMMARY**:
* Around **5 years** of experience as a Software Engineer responsible for developing software applications and performing data analysis of large-scale, Object-Oriented **Web-based Client-Server** applications using **Java,** **Spring 5.x/Spring Boot, Micro-Services, Angular, JSP, JavaScript, jQuery, AJAX** , **HTML5, CSS3, JavaScript, jQuery, Ajax, JSON, AngularJS and Bootstrap**.
* Experience in various phases of Software Development Life Cycle including Requirements analysis, Applications Design, Development, Integration, Installation, Implementation, Maintenance, Testing, and Debugging of various client/server web applications.
* Involved in complete **SDLC (software development life cycle)** - Requirement Analysis, Design, Development and Integration Testing phases using various methodologies like **Waterfall** and **Agile/Scrum**.
* Expertise in working with **AngularJS** using **Angular Directives, Controllers, Filters, Services, Templates, Events** and **Injectors**.
* Developed database components like **Stored Procedures, Triggers, PL/SQL packages** for **Oracle, My SQL, SQL Server.**
* Proficiency in deploying **JAVA**/**J2EE** Applications archives (JAR, WAR and EAR) on **IBM Web Sphere Application server**, **Apache Tomcat Web Server** and **Web Logic Application Server** using **Windows & UNIX** platforms.
* Very quick learner and keen to adopt new technologies. Capable of working on multiple Projects under tight deadlines.
* Strong team playing skills coupled with the ability to build excellent customer relations.
* Interact with other teams to troubleshoot, address shortcomings, and meet general operational needs in support of the business
* Applies coding expertise to develop and maintain test tools and frameworks to validate **unit**, **integration** and **functional** tests of the system.
* Strong interpersonal skills with the ability to work in a collaborative environment as well.
* Excellent problem solving and troubleshooting capability.
* Expertise in using **Gradle**, **Maven, ANT** build tools and **Jenkins** to automate build processes.
* Solid understanding of source controllers like **GIT, One stash, Bit Bucket.**
* IT knowledge in software development methodologies/processes, design, implementation and documentation
* **Relevant Course Work**:

Big Data Processing – MapReduce Programming, Java, Object Oriented Programming,

UNIX/LINUX Network Programming, Software project Management, Network Engineering and

Management, Data Modelling and Implementation Techniques.

* **EDUCATION**:
* Master’s in computer science, Northwestern Polytechnic University, Fremont, California with GPA 3.3/4.0
* Bachelor of Engineering in Computer Science Engineering, JNTUH University. Around 68%
* **TECHNICAL SKILLS**:
* **Languages:** Java/J2EE, HTML/HTML5, CSS/CSS3, SQL, JavaScript
* **Software Tools:** Eclipse, Sublime text Editor, Visual Studio, JIRA, Gulp, NPM, BPM
* **Frameworks:** AngularJS, jQuery, Bootstrap, ag-grid, Media queries, kendo UI
* **Database:** Oracle, Workbench, MS SQL
* **J2EE MVC:** SPRING 5.0, Hibernate 3.0, JPA, Spring JDBC/JPA, spring boot, micro services
* **Version Control:** GIT, SVN, Bitbucket, source tree
* **Operating Systems:** Windows 7/8/10, UNIX/LINUX
* **SDLC (software development life cycle**): Waterfall, Agile methodologies
* **WORK EXPERIENCE**:

**Client: Verizon (Tampa, Florida) USA Oct 2019 to present**

**Role: Software Engineer**

 **Project Description:**

* Gathering of user requirements and planning the design, code and maintain highly scalable applications satisfying to the best business practices using web technologies.
* Involve in agile process, sprint planning, and daily scrums to discuss the development progress and roadblocks of the project.
* Utilize knowledge and experience in JAVA, J2EE, and Unix/Linux programming languages to carry out technical design and writing software code from business functional specifications and analyze, evaluate, test, debug, document, and implement complex software applications.
* Develop User Interfaces for client using HTML5, CSS3, JavaScript, jQuery, Angular JS, Node JS.
* Develop **Java/J2EE** applications using spring boot micro services and deploy in Tomcat, WebLogic application servers and Cloud Foundry.
* Develop and integrate web services with **Bonita BPM Automation** tool to perform workflow automations to streamline Verizon wire line network operations interacting with various legacy systems.
* Automation of wire line operations both Domestic and International which helps users achieve multi network migrations/upgrades faster with minimal human efforts using the system.
* Created **Spring Boot** with **Micro Services** utilizing **RESTful API**.
* Prepare test cases and perform unit testing to ensure delivery of bug free code.
* Adopt agile software delivery process using **JIRA** (including breaking down work into modular tasks, tracking task status/work log entries for sprint management), SCM (source code management tools like **Gitlab, Stash** for branching strategy and code review), **JENKINS** (automated build and deploy).
* **WORK EXPERIENCE**:

**Client: CVS Health Enterprise Digital (Rhode Island) USA Jan 2018 to Dec 2019**

**Role: Software Engineer**

**Project Description:**

CVS has Minute Clinic video visits, a Telehealth offering, will provide patients with access to health care services 24 hours a day, seven days a week from their mobile devices. Patients can receive care via Minute Clinic video visit, initiated through the CVS pharmacy app. A video visit can be used to care for patient’s ages two years and up who are seeking treatment for a minor illness, minor injury, or a skin condition. Each patient will complete a health questionnaire, then be matched to a board-certified health care provider licensed in their state, who will review the completed questionnaire with medical history, and proceed with video-enabled visit. If it is determined the patient should be seen in person for follow-up care or testing, the provider will recommend that the patient visit a health care provider in their community, such as their primary care provider or a nearby Minute Clinic. A Minute clinic video visit is currently payable by credit card or debit card. Insurance coverage will be added to the experience in the coming months. The service is currently available in only few states and is expected to be available nationwide soon.

**Responsibilities:**

* Extensive Involvement in front-end advancement/development utilizing **HTML,** **CSS, JavaScript**, **Angular-JS/Angular**, and **JSON**.
* Worked on hybrid mobile application and web application development.
* Used **Angular4** along with **Ionic** Framework and **Cordova**.
* Used **JSON** objects.
* Used **JIRA** for task assignment and bug tracking.
* Experience working on accessibility for mobile app device.
* Worked in **Agile** methodology **SDLC**.
* Responsible to take part in daily scrum meetings, bi-weekly sprint planning meeting, bi-weekly sprint retrospection and demo meetings, backlog grooming sessions.
* Created **Spring Boot** with **Micro Services** utilizing **RESTful API**.
* Developed **Restful** **Web services** for other systems to interact with our system and secured the service with **Spring- Security** **Oauth-2.0**. Added **WS-Security** using **XWSS** to secure the Web services.
* Implemented the associated business modules integration using **Spring** and **Hibernate** data mapping.
* Developed spring boot applications for **REST** services and deployed in **Pivotal Cloud Foundry (PCF).**
* Worked on latest **CSS3** features like media queries to make the screen responsive, animation, pseudo selectors and CSS3 media queries for Responsive Web Design (**RWD**) to develop views suitable for mobile devices, tablets and desktops.
* Experienced using **Bootstrap, Sublime Editor, Web storm, GIT, NPM**.
* Used **DevOps** deployment tool- Jenkins for creating builds.
* Experience in handling Cross browser/cross domain Issues Knowledge in web Accessibility Concepts
* Experience in routing the **angular** pages when framed into mweb, apps, desktop and iPad.
* Co-ordinate with QA for testing, Production releases, Application deployment and integration
* Production deployment and validation support.

**Client: Nielsen (Oldsmar, FL) USA June 2017 to Dec 2017**

**Role: Software Engineer**

**Project Description:**

Developed and implemented a dashboard for the client to display the monthly and yearly analysis of the company’s sales and production. Have used Angular 4 to implement the AG-Grid to develop the grid-system populating the sales values. This application is used to study the sales of the company in the previous period and to properly estimate as expected sales over a period.

**Responsibilities:**

* Developed and implemented the client-side application to populate the values derived from the previous sales records.
* Used **Angular 4** to develop the application
* Have used AG-Grid Plugin to lay the responsive grid-system with multiple rows and columns.
* Developed different graphs and maps to show the overall sales of the products by using **d3.js.**
* Customized various modules depending upon the user’s requirements.
* Experience on working with localization with angular4 for whole Application to translate into French Language based on browser compatibility.
* Wrote **SQL** queries using **PL/SQL**, **stored procedures** and enhanced performance by running explain plans.
* Involved in implementation of enterprise application communication and integration with **Web** **Services** and Legacy Systems using **REST** (Using **Axis** and **Jersey** frameworks).
* Used various **Core Java** concepts such as **Multi-Threading, Exception Handling, Collections framework** extensively to store, retrieve and manipulate data objects of application in the business logic layer.
* Involved in **Spring** Configuration **XML** files that contain declarations and other dependent objects declaration.
* Used **J2EE** patterns like **Singleton, Service Locator, Session Façade** and Business Delegate during development.
* Developed **Micro services** with **Spring Eureka** to retrieve **API** routes for the entire cluster. Using this strategy each micro service in a cluster can be load balanced and exposed through one API gateway.
* Knowledge on working with media query to use the Application in Tablets, mobiles
* Analyze the response of **JSON** to update **DOM**.
* Resolved cross-browser layout issues and bugs.

**Client: Clarity Connect Inc (NC) USA Jan 2016 to May 2017**

**Role: Software Engineer**

**Project Description:**

Developed an Inventory System where the client requires to keep a record of the plants ordered by the customers and plants that are present to be sold. This app is a user-friendly app and has customers from both USA and Canada, which requires to have both USA and CAD currency in use. This project needs high level understanding and Implementation of the calculations. Which are handled in the front-end using JavaScript framework Angular.

**Responsibilities:**

* Developed front end along with pages for user interactions; for the entire website using.
* Applied **JQUERY** core library functions for the logical implementation of all the applications at the client side
* Used **JQUERY** and **AJAX** for service calls on pages to interact with the server for information
* Testing the website on multiple browsers with their old as well as latest release, developed page layouts, navigation and presented designs and concepts to the clients and the management
* Use of **AngularJS** ui-router for defining all application States (routes).
* Created Multiple Re-usable UI Directives by defining **AngularJS** Directives, Attaching Event Listeners, Controllers & Updating DOM elements.
* **AngularJS** Factory, Services & Providers created for different modules of Users, Groups, and System & Entities etc.
* **AngularJS ng-grid, ng-repeat** used for showing Tabular Data.
* Implemented various $scope methods $watch (), $digest () and $apply () to implement two-way databinding by using AngularJS.
* All the **CRUD** operations were performed with the help of AngularJS $http & $q to database.
* Utilizing Responsive web design to support usability in desktop, mobile, and tablet environments.
* On server side, created & used Restful Web API endpoints for database operations (CRUD) for this AngularJS project.
* Implemented and designed user interface for web-based customer application
* Developed components to fetch the data from the back end using **AJAX** and **JQUERY.**

**Client: Innovative intelligence solutions, Hyderabad - India May 2013 to Nov 2014.**

**Role: Jr. Full Stack Developer**

**Responsibilities:**

* Involved in various **SDLC** phases like requirement gathering, design, analysis, testing and development of **Agile**.
* Designed and developed rich UI using **Angular JS, Node JS, HTML, CSS3, Java Script, AJAX,** and **JSON**.
* Utilized **Bootstrap** for responsive design which allows users to access it from any device.
* Developed **Spring MVC** controller classes and brought into Spring Context to handle/forward (**HTTP/HTTPS**) requests to respected controller methods, call business service and return model and view to browser.
* Implemented **Spring Transaction** for the degree of isolation to work with other transactions and to execute within a transaction scope and check out before time out of the transaction.
* Created **SOA Web Services** using **SOAP** with **JAX-WS** for transmission of large blocks of **XML** data over **HTTP**.
* Involved in re-architecting monolithic architecture into Micro-Services architecture using **Spring Boot**, **Spring Cloud**.
* Designed **Entity** classes to map to relational database tables with multiple relations between tables and designed several repositories to perform **CRUD** operations using **Hibernate** implementation of **Spring JPA** specifications.
* Deployed and Monitored Spring Cloud based **Micro services** in **Pivotal Cloud Foundry (PCF)** and managed Domains, Routes with the Cloud Foundry and enable auto scalability.
* Followed the best practices in coding like removing unnecessary casting, using **generics** in **Hash Map**, caching, **Collections** like sort, comparator, list, set and Design patterns.
* Worked with **Web Sphere Application Server** as application server.