# Sowmini Bandaru

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**PROFESSIONAL SUMMARY**

* **7+** years of progressive experience in the field of web application development using **HTML, CSS, JavaScript, jQuery, AJAX, XML, RWD, Bootstrap, JSON, jQuery, AngularJS, NodeJS, ReactJS, AWS, Java** and **J2EE.**
* Extensive experience in Data Modeling, Stored Procedures and functions, worked on Databases such as **Oracle, SQL Server** and **DB2**
* Designed front-end website and customer booking solution using **PHP**, JavaScript, **jQuery, AJAX, CSS3, JSON** and **HTML5** as well as Google Maps **JavaScript API**.
* Experience in **Angular.JS 1.x** and **2.0, Node.JS, ReactJS.**
* Developed with the latest technologies like **Angular 2.0** and **React**
* Experience working on **AngularJS** implementation **custom directives**, reusable components, **MVC**, **data binding**.
* Used **AngularJS dependency injection** concepts using modules, **factory** and **service**.
* Experience on integration of **RESTful** API using **AngularJS $http** and **$q**.
* Experience in developing Single Page Applications (**SPAs**) using **Angular.js ng-Route and ui.router** module.
* Created reusable components and services to consume REST API's using Component based architecture provided by **angular 2.0**
* Experience in implementation of responsive web design **RWD** using **Bootstrap grid system** and **CSS3 Media Queries, 2d and 3d animations**.
* Used **Responsive Web Design** so that the website is compatible with different devices like **desktops, laptops, tablets** and **smart phones** also worked with **CSS box model** and **flex box**.
* Worked with migration from **angular 1.x** to **angular 4** and incorporated **typescript** features in the latest application.
* Good understanding of **angular 6**
* Used **NodeJS** NPM modules like **Grunt, webpack**, **Bower** and **Express**.
* Have hands on experience working with concepts of **Object-Oriented JavaScript**.
* Used **testing** frameworks like **jasmine** and **Karma** as test runner.
* Experience working with **debugging** and **testing tools** like **Firebug**, Firebug Lite, Chrome or **Safari Web Inspectors** and **IE Developer Tools**.
* Sound knowledge in working with **cross browser’s compatibility issues** with browsers like IE, Firefox, Safari, Opera, Chrome.
* Extensively experienced in designing web applications and web contents utilizing various Search Engine Optimization (**SEO**) techniques.
* Experienced in working in **Agile** based development environment and participating in **Scrum** sessions.
* Excellent skills in relationship management with clients and effective in guiding team during the project development life cycle to yield the output within the stipulated time, cost and quality.

**TECHNICAL SKILLS**

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| --- | --- |
| **Web Technologies** | HTML/HTML5, CSS/CSS3, XML, XHTML, Java, JDK, JavaScript, Ajax, jQuery, JSON |
| **JavaScript Libraries** | Require.js, Node.js, Angular.js 1.x and 4.0, React.js, Redux, Web pack, Gulp, D3 js, Angular 4 |
| **IDE’s** | Eclipse IDE, NetBeans, Dreamweaver, Firebug, Developer Tools, Edit Plus, Illustrator, photoshop, JSfiddle, WebStorm, Visual studio code, Sublime text |
| **Debugging Tools** | Firebug, Bug Zilla |
| **Database** | PL/SQL (oracle), MySQL, MSSQL |
| **Operating Systems** | Windows 98/2000/XP/Vista/7/8, MAC OS X |

**PROFESSIONAL EXPERIENCE**

**Client: Walmart**

**Bentonville, AR. August 2019 – till date.**

**Web Developer**

**Job Description:** Working on an internal report tracking application to provide defects to the QA team.

**Responsibilities:**

* Involved in developing the front-end applications using web technologies like **HTML**/**HTML 5**, and **CSS**/**CSS3, ECMA script, react js, redux**.
* Used **Java/J2EE** and **Spring** framework in the back end with **CI/CD** tools for continuous integration and continuous delivery
* Involved in creating application level code to interact with **APIs,** **RESTful** web services using **AJAX, JSON**
* Worked with **webpack** configuration for bundling the node modules and transform the front-end assets like **HTML,** CSS and if the corresponding plugins are included.
* Using **Spring framework** using **core java** in the back end
* Developed Object-Relational (O/R) mapping using **Hibernate 3.0**.
* Developed Data Access Object (DAO) persistence layer using **Hibernate 3.0**.
* Created private cloud using **Kubernetes** that supports DEV, TEST, and PROD environments.
* Implemented a production ready, load balanced, highly available, fault tolerant **Kubernetes** infrastructure.
* Used **jasmine, jest** for writing test cases in the angular and react framework and **karma** as the test runner.
* Worked with **Docker** files and **Jenkins** to deploy the applications in the backend, **grunt** and **bower** using **node js and yarn**
* Manage and add to the external developer portal containing **swagger**-based testing interfaces
* Worked on **API** design using **API** description tools such as **Swagger**
* Used **yarn** for deploying application
* Worked with text editors like **Visual studio code, Eclipse etc**., to write the code
* Worked with **GitLab** for version control and **JIRA** for defect tracking
* Worked on **Agile** methodology for multiple sprints to push the code in time.

**Environment: HTML, CSS, SASS, Bootstrap, JavaScript, AJAX, JSON, REST, React js, redux, webpack, mongo db, java, Spring, Hibernate, Rest API, node js, express js, GitLab, JIRA**

**Client: Symphony Health Solutions**

**Blue Bell, PA. January 2019 – August 2019.**

**Full stack Developer**

**Job Description:** Working on a migration project from angular 2.0 to angular 7 and creating an application in react js and redux from scratch.

**Responsibilities:**

* Involved in developing the front-end applications using web technologies like **HTML**/**HTML 5**, and **CSS**/**CSS3, typescript, angular 7, react js, redux**.
* Strong JavaScript framework specifically **Angular 7**
* Used **Java/J2EE, Hibernate** and **Spring** framework in the back end with **CI/CD** tools for continuous integration and continuous delivery
* Involved in creating application level code to interact with **APIs,** **RESTful** web services using **AJAX, JSON**
* Worked with **webpack** configuration for bundling the node modules and transform the front end assets like **HTML,** CSS and if the corresponding plugins are included.
* Used **node js** in the back end to push the front-end code
* Worked with **React js and redux** for creating the internal application form scratch.
* Worked with **2d and 3d** transformations for creating react applications.
* Used **jasmine, jest** for writing test cases in the angular and react framework and **karma** as the test runner.
* Worked with **Docker** files, **Kubernetes** and **Jenkins** to deploy the applications in the backend, **grunt** and **bower** using **node js**
* Managed local deployments in **Kubernetes**, **yarn** and creating local cluster and deploying application containers.
* Worked with text editors like **Visual studio code, Eclipse etc**., to write the code
* Worked with **GitLab** for version control and **JIRA** for defect tracking
* Worked on **Agile** methodology for multiple sprints to push the code in time.

**Environment: HTML, CSS, SASS, Bootstrap, JavaScript, AJAX, JSON, REST, Angular 7, React js, redux, webpack, mongo db, java, Spring, Hibernate, Rest API, node js, express js, GitLab, JIRA**

**Client: USAA**

**San Antonio TX. January 2018 – December 2018.**

**Full stack Developer**

**Job Description:** Recreating multiple web pages using angular 1.5 by modifying the configuration in the back end to open shift and upgrading them using angular 4.x in the front end. Created services in java using jaxRs and application server using jBoss and worked with Rest API’s.

**Responsibilities:**

* Involved in developing the front-end applications using web technologies like **HTML**/**HTML 5**, and **CSS**/**CSS3**.
* Strong JavaScript framework specifically Angular 4 and angular 6
* Involved in making the application Responsive using Bootstrap and used **SASS** preprocessor.
* Involved in writing application level code to interact with APIs, **Restful** Web Services using **AJAX**, **JSON**.
* Responsible for manipulating **HTML5**, **CSS3** and the configuration along with the build structure and the **webpack** configuration and including the node modules to migrate it to the standard format and making the pages dynamic using **AJAX**, **JSON**, and **XML in angular 1.x**.
* Worked with migrating the entire stable versions of angular 1.x into angular 4 dynamic web pages for **single page web applications.**
* Created services in the backend in **java** using framework like **jaxRs** and worked with the application server like **Jboss and Gradle** as the build tool including some **Maven.**
* Worked with **Rest API’s** like creating, checking the health and deploying them in the angular pages to make them up.
* Working with **WebGL** for 3d animations
* Pulling out the Epic in the RTC and worked with the stories.
* Developed dynamic e-mails using JavaScript, and hand coding of **HTML5**, **XHTML**, **CSS3 flex, 2d** and **3d animations CSS** and **JavaScript.**
* Interacted with Java controllers (**jQuery**, **Ajax**, and **JSON** to write/read data from back-end systems).
* Highly skilled in deployment, data security and troubleshooting of the applications using **AWS** services and writing logs to Amazon Redshift.
* Used Continuous delivery / Continuous Integration (CI/CD) tools Docker, Jenkins to deploy this application to **AWS**.
* Working on a Design module, where I am responsible for developing responsive UI, with complex use-cases that serve the purpose of customer on a single click using **React.js, redux** and **redux-thunk** and I am working on a legacy code which is jQuery module.
* Developed client-side validation code using JavaScript and **React** custom component developed by us for validating input fields named input validator.
* Used **React router** from Facebook for Routing/Navigation of views.
* I have developed all the generic components library called **ibm-react-components**.
* Implemented the NoSQL databases like MongoDB and Good working knowledge on CVS, SVN and GIT for version control.
* Worked on Core java for creating Rest API’s in the backend and integrating them in angular js
* Worked with core java with jaxRS framework with JBOSS server
* Used **Git lab** for version control and **RTC** for defect tracking.
* Experience in writing test cases using the framework like **jasmine, protractor** and **mocha.**
* Involved in Agile process, monthly Sprints, and daily Scrums to discuss the development of the application.

**Environment: HTML, CSS, SASS, Bootstrap, JavaScript, AJAX, JSON, REST, Angular 1.x, Angular 4, webpack, mongo db, java, jaxRs, Jboss, Gradle, Maven, Rest API, AWS, node js, express js, GitLab, RTC**

**Client: Florida Blue March 2017 – December 2017**

**Jacksonville, Florida**

**React js Developer**

**Job Description:** Created a lot of web pages using React and redux using webpack for the customers to enter their details and find an appropriate plan for them to enroll themselves into the health insurance plan

**Responsibilities:**

* Experience in developing interactive website using **Reactjs, Redux, React Native, JavaScript ES6, Webpack, React Router, Flow, Immutable, Jest, Enzyme, Babel, Sass, Material-ui, Bootstrap, Responsive Design, Yarn, NPM.**
* Used **HTML5, CSS3** and bootstrap for creating the webpages**.** Used **css3 animations** like **2d** and **3d** in **JavaScript**
* Developing components for input fields, for importing them into the web pages to create the dynamic web site which renders the page depending on the input provided.
* Developed modules using helper suffixes and constraint helpers to import the helpers into the web pages using React js.
* Used **Babel** and **webpack** for trans piling the es6 to JavaScript. Used jest for writing test cases for unit testing in React js.
* Worked on **React native** for the same application to create mobile application
* Worked with data structures like map, set, list, stack etc., using **immutable.js** for performance optimization.
* Used webpack for writing react-routers and routing the paths. Worked with validation. the forms using form validation, internationalization using i18n and axioms in react.
* Worked with reducers to show how the application's state changes in response to the actions provided. Used middleware to async actions for logging, crash reporting, talking to an asynchronous API and routing.
* Worked with **redux saga** along with **redux thunk** to handle asynchronous calls efficiently.
* Worked with **react saga** to address the network requests.
* Worked with **redux saga** for complex sequences of synchronous and asynchronous events in a clear and declarative style without callbacks.
* Used D3 js for data visualization purposes and Professional in creating Templates, Mock-ups and Prototypes.
* Working with **WebGL** for 2d and 3d animations, graphics within all the compatible browsers without the use of plugins.
* Integrate Mongo DB to support custom field requirement
* Working with MongoDB for writing NoSQL queries for retrieving data from database
* Experienced with event-driven and scheduled **AWS** Lambda functions to trigger various AWS resources.
* Perform installation of **AWS** CLI to control various **AWS** services through SHELL/BASH scripting

**Environment:**

**HTML, CSS, SASS, Bootstrap, JavaScript, jQuery, React JS, Redux, ECMAScript 6, mongo db, Node js, Webpack, Gulp, GIT, D3 js, Axios, AWS, Immutable JS, Jest.**

**Client: Virgin America February 2016 – February 2017**

**San Francisco, CA**

**Web Developer**

**Job Description**: Worked with multiple customer issues in the airline website everyday and working with upgrading the website from angular 1.x to angular 2.x

**Responsibilities:**

* Experience in **GUI development** using **AngularJS** and integration with other **Java Script** technologies (for ex: **jQuery**)
* Have hands on project experience in **GUI development** using **jQuery and Java Script**.
* Have experience working with **Java Script OOPS** concepts.
* Reading and parsing **JSON** response and **populating GUI** with appropriate information.
* Good experience working on AngularJS framework and its integration with backend systems using **RESTFUL web services**.
* Working with **Google chrome** for **debugging** various issues and working closely to solve the issues using **Developer tools**.
* Creating front-end code templates using **XHTML/HTML5, CSS3, 2d** and **3d animations, JavaScript, AJAX,** and **JSON/XML** as well as JavaScript frameworks such as **jQuery, AngularJS, NodeJS,** and **bowerJS.**
* Working with complex code structures, various directives and custom directives in **Angular JS 1.x**
* Worked with various factories, services, promises in **AngularJS 1.x**
* Developed complex **Angular2.0** UI nested components for reuse and rapid development Angular2 for each SPA
* Performed form validations using reactive forms from **Angular2.0** framework
* Experience working on developing applications from scratch using **react js** and **redux**
* Worked on creating reusable components and single page application using **react js** and **redux**
* Working closely with UX and Graphic Designers to turn wireframes and visual designs into working **HTML/CSS** prototypes.
* Used JDBC connectivity for connecting to the Oracle database.
* Working on various issues for passenger details and various reservation issues depending upon the priority and providing services in time.
* Managing the websites to improving usability and user experience.
* Good experience working with current development tools such as **Jenkins, Git, bower, gems, npm and bundle** using **node.js**
* Used **gulp** as the task runner
* Worked with various modules, dependencies and dev dependencies of **node.js** applications
* Strong working experience with **Agile development methodolog**y in real world projects.
* Worked with testing frameworks like **Jasmine** and **protractor** and **Karma** as the test runner.

**Environment:**

**HTML 5, CSS 3, SASS, JavaScript, jQuery, Angular js 1.x, Angular 2.0, React js, redux, gulp, AJAX, JSON, XML, Oracle 12g**

**Client: HCL**

**Chennai, India July 2012 – December 2014**

**UI/UX Developer**

**Job Description**: Creating web pages using html, css, java script, bootstrap and node js to various clients like free scale semi-conductors etc.,

**Responsibilities:**

* Worked closely with system analyst to understand the technical requirements of the projects for different e-commerce websites.
* Worked with Photoshop and illustrator to implement mock ups and the layouts of the application.
* Design and development of Web pages using HTML, CSS including Ajax controls and XML.
* Redesigned and developed Website with PHP, CSS, JavaScript and HTML.
* Created customer widgets written in PHP.
* Involved in writing the Properties, methods in the Class Modules and consumed web services.
* Played a vital role in defining, implementing and enforcing quality practices in the team organization to ensure internal controls, quality and compliance policies and standards.
* Used JavaScript for custom client-side validation.
* Worked on Node js for server-side scripting for building dynamic web pages.
* Used gulp as the task runner and jasmine as the unit testing framework
* Worked with event driven programming using node js.
* Involved in designing and developing the GUI for the user interface with various controls.
* Worked with View State to maintain data between the pages of the application.

**Environment:**

**HTML, CSS, MySQL, JavaScript, AJAX, PHP, gulp, Node js and Windows XP.**

**EDUCATION**

**Bachelor of Engineering in Computer Science Engineering – Anna University (June 2012)**

**Master's in Computer Science – North western Polytechnic university (December 2015)**