**Sneha Vudumula**

Senior Software Engineer.

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* 8+ years of strong software experience in design, development, and deployment of web - based Client-Server business applications using UI authoring and web technologies.
* Experience in developing web pages using HTML/HTML5, XML, XSLT, DHTML CSS/CSS3, SASS, LESS, JavaScript, React JS, Redux, Next js, jQuery, JSON, Node.js, Ajax, JQUERY Bootstrap.
* Working knowledge of Web protocols and standards (HTTP HTML5/XHTML/XHTML-MP, CSS3, Web Forms, XML, XML parsers, XSLT)
* Good Expertise in analyzing the Document Object Model (DOM) Layout, DOM Functions, JavaScript functions, Cascading Styles across cross-browser using FireBug, Developer Tool Bar.
* Expertise in React JS framework to develop the SPA.
* Experience in using React JS components, Forms, Events, Keys, Router, plus Redux, Animations, and Flux concepts.
* Good Experience in React.js for creating interactive UI's using One-way data flow, Virtual DOM, JSX, React Native concepts.
* Good experience with the relational database management system.
* Worked with Bootstrap for Responsive Web design.
* Familiarity with integrating XSLT with other XML-related technologies such as XPath for data navigation, XQuery for advanced querying, and XML Schema for data validation and transformation rules.
* Good experience on customizing CSS frameworks like Bootstrap and Foundation using CSS pre-processors LESS or SASS and Compass.
* Proficient in troubleshooting and debugging Next.js applications, Lambda functions, and Fargate services.
* Utilized logging, monitoring, and debugging tools like AWS CloudWatch Logs, AWS X-Ray, and browser developer tools to identify and resolve issues efficiently.
* Worked with React, React Router, and Redux state management of the application.
* Developed a Mobile application for android and iOS with React Native and phone gap in different projects.
* Sublime Text.
* Implemented infrastructure as code (IaC) using AWS Cloud Formation or Terraform to automate the provisioning and management of Next.js applications, Lambda functions, and Fargate services.
* Defined infrastructure resources, such as AWS Lambda functions, API Gateway configurations, and Fargate task definition, as code to enable version control, reproducibility, and infrastructure scalability.
* Experience in applying the latest software development approaches including model view controller (MVC), event-driven applications using AJAX, Object-Oriented JavaScript, JSON, and XML.
* Good Experience in using Version control system software like SVN, and GIT.
* Ability to work effectively while working as a team member as well as individually.
* Excellent communication and Inter-Personal Skills, well organized, goal oriented.
* Jenkins for CI/CD pipeline and Deployment in AWS Server and many more different services to build flexible, Scalable and Reliable Architecture.
* Experience with modern web/UI development tools and techniques: Node, Webpack, Grunt/Gulp,GIT, Axios, Jest
* Client-side templating: mustache.js, handlebars.js, panni.js, and dust.js

**TECHNICAL SKILLS:**

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| --- | --- |
| **Web Technologies** | HTML4/HTML5, CSS3, SASS, LESS, JavaScript, jQuery, Bootstrap, React.js, Next.JS Redux, Flex, Express.js, Node.js, D3.js, Vue.JS, Ajax, JSON. |
| **Java Script Libraries** | Angular.js 1. x and 2.0, ReactJS, Redux, Node.js, Grunt, Gulp, and other APIs, Flask |
| **IDE’s & Tools** | Eclipse, Microsoft Visual Studio C++, Notepad++, Android Studio, Sublime, WebStorm, WebMatrix |
| **Debugging Tools** | Chrome Elements Inspector, Firebug, IE Tester |
| **AWS cloud storage** | S3, SQL, hooks concept, redux |
| **Database** | Mongo DB, SQL Server, Oracle, MYSQL, PostgreSQL |
| **Operating systems** | Windows 98/2000/XP/Vista/7/8/10, MAC OS X |
| **Version Controls** | SVN, GITHUB, GIT. |

**PROFESSIONAL EXPERIENCE:**

**Sr. React Developer Nov 2023 - Present**

**NRG Energy, TX**

**Responsibilities:**

* Responsible for the overall layout design, color scheme of the web site using HTML, XHTML and CSS3 and Responsible for creating detailed wire frames and process flows.
* Used Bootstrap to build responsive UI Design.
* Created the Application using React JS and Node JS libraries NPM, gulp directories to generate desired view and **Redux- Route** to root the URLs properly.
* Responsible for **Cross-Platform** mobile development using React Native + Type Script based mobile application.
* Created interactive UI’s using One-way data flow, Virtual Dom, JSX, React Native concepts.
* Called the restful web service calls for POST, PUT, DELETE and GET methods.
* Used jQuery to make REST API calls and designed/documented REST APIs for collection and retrieval of high data.
* Created the Application using React JS and **Node JS** libraries NPM, gulp directories to generate desired view and flux to root the URLs properly.
* Wrote client-Side code using React JS and used NPM & gulp directories to generate the server environments used browserify, Redux to manage with targeted URL's (Uni-Directional data flows) and to monitor the application.
* Developed cross-browser/platform pages using **CSS3** **Media Queries, Styled components, and JavaScript** to match design specs for complex page layouts while adhering to code standards.
* Wrote test cases using Junit and snapshot JS.
* Integrated Mocha with other tools such as Enzyme for component rendering and Sinon for mocking and spying on functions, enhancing test accuracy and coverage.
* Executed cross-browser tests using Mocha and other compatible tools, ensuring consistent application behavior across different browsers.
* Participated highly in requirements gathering, analysis, Conceptual Design and Details.
* Designed animated webpages by importing jQuery/animations which is the latest animation plug-ins in jQuery.
* Developed powerful Single Page Application and dynamic responsive Web Application with React JS.
* Primarily using **Node.js, Express.JS, Backbone.Js and NPM** packages to integrate new functionality and maintain previous code.
* Involved designing in web pages using HTML 5, XHTML, CSS3, JavaScript, React.js, Redux, React-Bootstrap, Node.js, express.js, Mongo DB
* Proficient in creating and managing Azure resources using **ARM templates** for infrastructure as code.
* Implemented comprehensive testing strategies using Enzyme to ensure robust and bug-free React components.
* Utilized shallow rendering with Enzyme for unit testing components in isolation, ensuring individual parts functioned correctly.
* Conducted full DOM rendering with Enzyme to test component integration and lifecycle methods, enhancing overall application reliability.
* Used React -bootstrap and SASS for handling responsiveness in the application and parse correct styles on prop changes.
* Involved in creating a Reusable component and React-Router to turn application into Single Page Application using React JS.
* Managed Azure SQL Database instances, including provisioning, scaling, and optimizing performance.
* As a backend developer, I was responsible for creating RESTFUL Web using Node.js & Express.js.

**Environment:** HTML 5, CSS 3, JavaScript, React JS, React Native, Redux, JSX, Styled components, Node JS, Yarn, Jenkins, Bit Bucket, JIRA, Agile-Scrum, Junit, Snapshot JS, Axios.

**UI/Web/Front-end Developer Sep 2021 - Nov 2023**

**SunTrust Bank, GA**

**Responsibilities:**

* Building Web and Mobile applications on CVS’s Handheld POS System.
* I was working on mobile applications (**ScanSee and checkSee** as mobile app) and one web application (dashSee as Dashboard/ web portal app).
* JavaScript as Runtime environment and Mobile App running natively with React Native in Android and IOS device for ScanSee and checkSee.
* Building Web Application with React for Dashboard as Web Portal.
* **UX with Figma, UI Design with React** Native’s styled Components and Flexbox, State Management in Redux.
* In Mobile device, offline Database with Couch base. As Server side, Using **AWS API Gateway, Lambda, Node js and Express js to build server less Architecture.**
* Building scalable and reliable database architecture with MongoDB.
* Jenkins for **CI/CD** pipeline and Deployment in **AWS Server** and many more different services to build flexible, Scalable and Reliable Architecture.
* Experience in scripting languages like React JS and Node JS.
* Enhanced legacy application by building new components in Angular and Typescript.
* Implemented a **Restful API server** with Nodejs and Express.
* Utilized Jest's mocking capabilities to isolate components and test them in controlled environments, ensuring accurate and reliable test results.
* Integrated Jest with Enzyme for detailed component testing, leveraging Enzyme's utilities for rendering and interacting with components.
* Used React Hooks to implement functional components to improve the performance of the application.
* Experience in all phases of **SDLC** like Requirement Analysis, Implementation andMaintenance**,** and experience with **Agile and SCRUM.**
* Implemented two-way data binding through $scope in applications built on AngularJS.
* Collaborated with **back-end developers** and web designers to improve usability.
* Worked with TypeScript validations and developed Object Oriented code.
* Involved in developing UI pages using HTML5, CSS3, ES6 and React.
* Security of the websites configured and maintained at **AEM web content management.**
* Created dynamic forms using the feature of reusable the same component.
* Used Node.js as a **cross-framework** runtime environment to build web applications.
* Designed and implemented serverless architecture using AWS Lambda, an event-driven compute service.
* Developed **Lambda functions in Node.js** to handle various backend processes, such as data processing, file manipulation, and API integrations.
* Leveraged **Lambda's scalability and cost-effectiveness** to optimize application performance.
* Developed the application using **Angular.js with Node.js as a server.**
* Implemented the web-based application using Angular JS framework**.**
* deployed containerized applications using **AWS Fargate,** a serverless compute engine for containers.
* Orchestrated Docker containers and managed infrastructure resources efficiently without the need for manual scaling or server provisioning.
* Utilized Fargate's integration with **Amazon Elastic Container Service (ECS)** for container management and task scheduling.
* Developed reusable web components to add features or access services following consistent UX practices, standards, and specifications.
* Implemented React container and presentational components (as Stateless and Functional components when applicable)
* Used Node JS, NPM and Webpack to translate and combine all necessary JS and CSS.
* Created several Components by using React and several services for Dependency Injection. Implemented latest Ecmascript6 **(ES6**) features like arrow functions, constants, block-scope variables, and class inheritance etc.
* Consume APIs in the UI code using React JS.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations, and Redux concept.
* Worked with modules **like Mongo DB** for database using Node.js to interact with Mongo DB.
* Collecting functional requirements and user stories and analyze and convert them into code components.
* Develop standards for APIs and develop them.
* Develop interface for web applications and experience with creating UI components for reusability of code.
* Used GIT as version control tool **to update work progress with other team members.**

**UI/React JS Developer Jan 2017 - Aug 2021**

**Kelly Services India Pvt, Ltd -India**

**Responsibilities:**

* Interacted with end users and business analyst to understand the business requirements.
* Experience in Agile SCRUMmethodologies.
* Developed rich front-end applications, user interactive (UI) web pages using **HTML5, CSS3, and Bootstrap and next, js.**
* **CSS styles** were developed to preserve the uniformity of all the screens throughout the application and positioning of screen objects.
* **Developing React.js / Redux and next, js front-end UI, and Node.js and aws lambda applications for backend**.
* Worked extensively on Restful web-services, HTML5, CSS3, SASS, JavaScript, TypeScript, React JS and used media queries for responsiveness.
* Leveraged React.**js resources for all data access, encapsulating URLs**, and standardizing data access interfaces.
* Used **React hooks like UseEffect, UseState, UseReducer, UseMemo, UseLayout Effect**.
* Maintains the Parent and child elements by using State and Props in React.js.
* Leading frameworks as React.js to build high-quality, scalable, and reusable components and Front-end solution.
* Developed custom **filter** in React.JS in the application.
* Used services to read data from remote server using React.JS.
* Involved to Use React.js library functions for the logical implementation part at **client side for all the application.**
* Created React.js for reusable components (multi-field form elements, background file uploads.
* Maintained states in the stores and dispatched the actions using **redux.**
* Next.js follows a file-based routing approach.
* Each file in the "pages" directory represents a route in the application.
* For example, a file named "about.js" inside the "pages" directory will be accessible at "/about" URL.
* Involved in developing the React.js Controllers to maintain each view data.
* Created React.js for reusable components (multi-field form elements, background file uploads.
* Implemented the Drag and Drop functionality using React-Draggable.
* Involved to use **React-Router** to turn application into Single Page Application.
* Involved to use Restful web services calls for **POST, PUT, DELETE and GET** methods.
* Developed, implemented, and tested Node.js applications.
* Maintain consistency of front-end via code over variety of browsers.
* Involved in daily **SCRUM** meetings to keep track of the project status.
* Involved all stages of Software Development Life Cycle like **Application Design, Development, Debugging and testing the applications.**
* Tested and applied the branding on a step-by-step procedure using Jasmine.
* Integration with Rich Relevance**/CDN/CMS/Optimize**
* Developing the rich UI components in Optimizely
* Extensively used Git for version controlling and regularly pushed the code to GitHub.
* **Used JIRA** as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
* Involved to work within **the AWS lambda** Cloud integration processes.
* Incorporated user authentication and authorization using **AWS Cognito**, safeguarding user accounts and sensitive information.
* **Developed AWS API** to integrate defect management process to user interface.
* Created **Mocha unit test** framework to write unit tests for JavaScript code.
* Extensively used debugging tools such as **Firebug and IE Dev tools** to investigate the issues and fix the bugs.
* Handled cross browser compatibility issues in IE 7, 8, 9 and FF.
* Involved with Testing Team, Scrum Masters, and Business Analysts for fixing of Issues.
* Interacted with Customers and development teams for Fix the Issues.
* Involved in System Testing, Regression Testing for Complete UI after fixing the Issues which are reported by Testing Team.
* Employed modern software engineering practices **CI/CD** (Continuous Integration, Continuous Deployment Specification by Example, Behavior / Test Driven Development - BDD, TDD) and the respective tools by writing test cases using **Cucumber, JUnit Framework**

**Environment**: HTML5, CSS3, XML, XSLT, Java script, jQuery, JSON, Bootstrap, React.js, lambda, Redux, Flex, Node JS, Express JS, JavaScript, AJAX, Core Java, Jasmine, Mocha, MVS, Web Driver, Sublime, GIT, Grunt, Firebug, Agile development, Optimizely, Jira, AWS