**Shashank A**

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**SUMMARY:**

* **10 years of experience** in developing **UI and web applications** using **HTML5, CSS3, JavaScript, Bootstrap, Angular (v14), NgRx, TypeScript, RxJS, jQuery, JSON, AJAX, and Node.js**. Sound Understanding and good experience in developing single page Applications (SPA) such as web applications using JavaScript MVC frameworks such as Angular and Node JS.
* Extensive experience in developing **Single Page Applications (SPAs)** using **JavaScript MVC frameworks** such as **Angular and Node.js**.
* Strong expertise in working with the **Document Object Model (DOM)** and optimizing **DOM manipulation** for better performance.
* Deep understanding of **NgRx best practices** for **state management** in Angular applications.
* Proficient in **Responsive Web Design (RWD)** using **Bootstrap, Foundation, and SASS** to ensure cross-device compatibility.
* Skilled in using advanced CSS features with **LESS and SASS** for scalable and maintainable styles.
* Experience in writing **Grunt tasks** for **automated builds, code minification, and JavaScript bundling**.
* Proficient in modern frontend frameworks and **AWS cloud services** for deployment, **security**, and performance optimization.
* Passionate about writing clean, maintainable code and optimizing web applications for speed and scalability.
* Implemented **React.js** at the view level, utilizing **React components, forms, events, keys, routing concepts, and React Hooks**.
* Hands-on experience in **testing** with **Jasmine** and working with tools like **NPM (Node Package Manager), Bower, and Grunt**.
* Expertise in writing **unit test cases** using **Karma and Chai**, along with **end-to-end testing** using **Protractor**.
* **Experienced Frontend AWS Engineer** with expertise in building scalable, high-performance web applications.
* Strong background in **CI/CD deployment** using **Jenkins and Maven**, with experience in version control systems like **SVN and Git**.
* Worked with **Java 1.8 features**, including **Lambda Expressions, Method References, and Streams**, to optimize backend logic.
* Developed **microservices** using **Java 1.8 and Spring Boot**, following **Test-Driven Development (TDD) and paired programming** approaches.
* Experience working with **IDEs** such as **Eclipse, IntelliJ IDEA, and Spring Tool Suite (STS)**.

Extensive experience working in **Agile teams** and following **Software Development Life Cycle (SDLC) methodologies**.

**EDUCATION DETAILS:**

* Master’s in Computer Technology: Eastern Illinois University – 2016-2017
* Bachelor’s degree in Electronics and Communication Engineering(JNTU-H) – 2010-2014

**TECHNICAL SKILLS:**

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| --- | --- |
| Languages | MVC 5,MVVM, C, Java, Spring boot, JavaScript, Typescript2, 3.x, Redux |
| Web Development | HTML 5, Cascading Style Sheets 3 (CSS 3), XML, DHTML, XHTML, JSON, AJAX, jQuery, Angular.JS, Angular 2, Angular 4,5,6,7,8,9,15till (latest 19)MVC, React Js, Redux, JSX, Vue js |
| Databases | Oracle9x/10x, SQL 2000/2005, PL/SQL, Postgressql, SQL Server 2008-12, MySQL, RedShift. |
| Operating System | Windows 2000/XP/Vista/7, Mac OS X. |
| GUI Text Editors | Sublime, Notepad++. Visual Studio Code. |

**PROFESSIONAL EXPERIENCE:**

**Client: CSX, Jacksonville, FL**

**Role: Sr. Web Developer Jan 2024 to till date.**

**Responsibiliies:**

* Developing highly scalable, **responsive web applications** using **React.js and Angular 15**,19 improving UI performance.
* Implemented **client-side routing** using **React Router (React)** and **Angular Router (Angular)** with **lazy loading and route guards**, reducing initial load time by **20%**.
* Integrated **RESTful APIs** using **Axios (React)** and **HTTPClient (Angular)**, improving API call efficiency.
* Optimized **Redux Toolkit (React) and NgRx (Angular)** for efficient state management and API caching, leading to **smoother UI updates and reduced re-renders**.
* Developed **secured authentication and authorization flows** using **JWT, OAuth, and route guards** for protected routes.
* Implemented interceptors for API request/response handling, ensuring centralized error handling and token refreshing.
* Designed **dynamic dashboards and data visualization** by integrating APIs with **WebSockets and RxJS Observables**.
* **Optimized API calls** by implementing caching, debouncing techniques, reducing redundant network requests.
* **Deployed applications** using **Spinnaker CI/CD pipeline**, ensuring automated, zero-downtime deployments.
* Automated **build, test, and deployment processes** using **Jenkins, Docker, and Spinnaker**, reducing manual efforts.
* Ensured **cross-browser compatibility** and **WCAG-compliant accessibility** for enhanced user experience.
* Developed and maintained **unit and integration tests** using **Jest, Cypress, and Karma**, increasing test coverage.
* Collaborated with backend teams to design **efficient RESTful API contracts**, reducing front-end and back-end integration issues.

**Client: CenturyLink, Kansascity, KS**

**Role: Web Developer Sept 2019 to Jan 2024.**

**Responsibiliies:**

* **Developed scalable applications** using **Angular (v14)**, ensuring modular and reusable components for maintainability.
* **Implemented state management** using **NgRx (store, effects, selectors, and reducers)** for handling immutable data structures and API integration.
* **Optimized application performance** with lazy loading, code splitting, and efficient change detection strategies.
* **Integrated RESTful APIs** using **Axios, Postman, Swagger**, and validated responses with **SOAP-UI**.
* **Designed & developed RESTful microservices** using **Spring Boot**, implementing controllers, business logic, and DAO layers with Hibernate/JDBC.
* **Implemented CI/CD pipelines** using **Google Cloud Build**, streamlining front-end deployment workflows.
* **Developed authentication & authorization** using **Google Identity Platform (OAuth 2.0)** for secure access control.
* **Integrated analytics tools like Google Analytics and Firebase Analytics to track user engagement and optimize UX.**
* **Implemented automated testing** using **Jasmine, Karma, and Protractor**, ensuring code quality and reliability.
* **Proficient in modern development tools** like **Babel, Webpack, and Git**, following Agile and best development practices.
* **Configured centralized configuration management** using **Spring Config Server** for multiple environments.
* **Ensured security and best practices** by continuously **upgrading and updating applications** to align with modern development standards.

**Environment:** Web services (RESTful), AWS, HTML5, CSS3, Typescript, Karma, D3js, Angular14, Vue Js (latest 3)

**Client: NextGen Healthcare, Fairport, NY**

**Role: Software Developer Jan 2019 to Sept 2019**

**Responsibiliies:**

* Designed and built UIs using **HTML5, CSS3, JavaScript, React JS, Redux**, and **ES6**.Develop Single Page Application using **React JS**.
* Created Single Page Applications (SPA) using **React JS and Angular**.
* Implemented components, forms, events, keys, routing, and hooks in **React**.
* Used Handsontable and **Material UI** for data tables and forms.
* Implemented **Java** **Spring** configuration files for the beans defined and properties to be injected into them using **Spring** Dependency Injection.
* Experience working with **Docker**, **AWS**/devops team.
* Work with Business analysts, Product owners and UX designers in getting the "**Invision**" Wireframes and bridging the gap between graphical design and technical implementation.
* Used **JIRA** for user stories.
* Validate the Request/Response object using Postman and Advance **REST** client.
* Creating the **AWS Ec2** Instances and do the get and post from **DynamoDb**.
* Implemented **user authentication & authorization** using **AWS Cognito**, supporting multi-factor authentication (MFA) and OAuth integrations.
* Configured **AWS IAM roles and policies** to manage permissions and enhance application security.
* Developed build and deployment scripts using **MAVEN** as build tools in **Jenkins** to move from one environment to other environments.
* AWS Cognito is integrated for **user authentication**, allowing users to sign in, register, and manage accounts securely.
* Followed Agile software management (**Scrum**) development methodologies for software development.
* Used Agile Central (**JIRA** tool) as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
* Documenting the critical functionality and its business rules,best coding practices and coding standards inconfluence.
* Work on automating the build process as part of **CI**/**CD** using Jenkins tool.
* Used **Bit Bucket** for source code version control.

**Environment:** Java 8, jQuery, Web services (RESTful), AWS, Dynamo Db, RedShift, React Js, Redux, HTML5, CSS3, Typescript, Karma, Bootstrap 4, JBoss, Apache Tomcat.

**Client: CVS Health, Monroeville, PA**

**Role: UI Angular Developer. Jan 2017 to Dec 2018**

**Responsibiliies:**

* Designed and implemented rich UI using HTML, CSS for content and presentation, Angular Form Group Validators for client-side validation and Bootstrap for responsive web pages.
* Used Angular/cli tool to create, manage the project structure, components, services, pipes, and routes in Angular 6.
* Implemented predefined and custom Form Validations using Form Builder in Reactive Forms.
* Extensively worked with input (), output (), viewchild () and services to leverage the communication between different components in Angular 6.
* Used RxJS features like Observables and Subject to handle the asynchronous data.
* Extensively used loadash.js to manipulate array, objects, string etc.,
* Created Typescript reusable components and services to consume REST API's using Component based architecture provided by Angular framework.
* Worked with cross browser compatibility issues and did testing on the browsers like Safari, IE-8, 9, 10, Mozilla Firefox and Google Chrome.
* Implemented test cases and performed unit testing using Jasmine and Karma.
* Followed agile methodology which includes daily scrum meetings and two weeks of sprint.
* Fixed sprint defects and production defects in the order of severity and delivered on time.
* Handled all the client side validations, slide show, hide and show controls, dropdown menus and tab navigation using AngularJs and Anguar.
* Handling the performance issues of the application fom client side.
* Maintained heavy data on the client side securely with out memory leaks.
* Involved in Enhancement of existing application utilizing AngularJS and Angular created navigation menu. Created prototypes in HTML5, JavaScript and CSS3 for different UI pages.
* Created various UI components for different web pages using Angular and PrimeNg Primeface.
* Responsiblefor **React UI** and **architecture. Building components library, including Tree, Slide-View, and Table Grid**
* Validate the Request/Response object using Postman and Advance REST client.
* Unit test using Sinon/Chai and Jasmine.
* Used React JS for templating for faster compilation and developing reusablecomponents.
* Performed cross browser testing by checking the application compatibility.
* Used REST web services to communicate between applications running on different operating systems.
* Used CA Agile Central (ALM tool) as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
* Used Jenkins for the build process to generate the npm-build and used Grunt.js as a build tool to build the project and for the code minification of JavaScript files.
* Responsible for deploying the applications to higher to environments and do fix for issues at the Jenkins build time.

**Environment:** HTML5, CSS3, JavaScript, JQuery, Angular JS, Angular2, Angular4, React JS, Karma, JSP, Bootstrap, DOM, JSON, REST, Agile, GIT, ALM, NPM, Grunt, and Windows.

**Client: Avaya Solutions Inc., Hyderabad Jul 2014 to Dec 2015**

**Role: UI Developer**

**Responsibilities:**

* Designed and implemented rich UI and custom form validation features for user and admin modules using Angular, HTML, CSS for content and presentation and Bootstrap for responsive web pages.
* Used Media query to apply CSS style depending on a device's general type and screen size to make the page responsive in design.
* Highly used Angular 2 router to build single page application for navigate through the different status and multiple modals.
* Implemented HTML5 feature like, local storage, data and required attributes and sliders.
* Created model driven forms using the ReactiveFormsModule and validated data in Angular 2.
* Implemented various Validation Controls for form validation and implemented custom validation controls using Angular FormGroups and FormBuilders.
* Worked Extensively with Angular CLI for creating components, Services, pipes and Directives.
* Implemented test cases and performed unit testing using Jasmine and Karma.
* Handled cross browser/platform compatibility issues (IE, Firefox, and Safari) on both Windows
* Performed a lot of DOM operations for loading and manipulating dynamic content on webpages.
* Reviewed development builds against visual designs and provided feedback in JIRA.
* Worked hand in hand with developers and project manager and modified designs based on technical feedback.
* Involved in Agile process, monthly Sprints, and daily Scrums to discuss the development and achieve TDD (Test driven development approach) to improve the product quality.

**Environment:** J2EE 5.0, JDK 1.5/1.6, JQuery, Ajax, Web services (RESTful), HTML, CSS, JavaScript, Bootstrap, Angular 2, Apache Tomcat, XML.