**Tarun Kumar**

**Sr. Front-End Developer/UI Developer**

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**Professional Summary**

* Over 10 years of experience in UI application design and professional web development, with a strong focus on building user-friendly and efficient web applications.
* Proficient in **HTML5**, **CSS2/CSS3**, **JavaScript**, **jQuery**, **Angular**, **ReactJS**, **React Native**, **NodeJS**, **AJAX**, **JSON**, **XML**, and **Java/J2EE** testing.
* Hands-on experience with **JavaScript ES6+ (ECMAScript 2015+)** and commitment to staying updated with modern JavaScript advancements.
* Specialized in creating complex applications with **React.js** and **Redux**, including configuring stores, reducers, and middleware to manage application state effectively.
* Extensive experience in developing **single-page applications (SPAs)** using **React.js**, leveraging advanced features such as **React hooks (useState, useEffect, useContext)** to manage component state and lifecycle.
* Skilled in integrating **APIs** using **Axios** for seamless communication between front-end and back-end systems, ensuring efficient data fetching and error handling.
* Strong command over modern **JavaScript (ES6+)**, including mastery of concepts such as **DOM manipulation**, **asynchronous programming** with **Promises** and **async/await**, and the **JavaScript object model**.
* Experience in building **isomorphic applications** using **React.js** and **Redux** with **GraphQL** on the server side.
* Cross-Platform Mobile Development proficiency with **React Native + TypeScript**.
* Expertise in optimizing component performance using techniques such as **React.memo**, **PureComponent**, and **Higher Order Components (HOCs)**, which prevent unnecessary re-renders and enhance application efficiency.
* Expert in modern web development best practices, including **micro-frontend architecture**, **web security**, and **API integration**.
* Proficient in **messaging application development**, incorporating secure protocols and user-centric design for enhanced communication experiences.
* Strong hands-on knowledge of **responsive/adaptive web design** and cross-browser, cross-platform, and cross-device compatibility using frameworks like **Bootstrap** and **Material UI**.
* Skilled in architecting **Front End UI** for scalable applications with a focus on clean, modular, and maintainable code.
* Proficiency in configuring **Webpack** for asset bundling, code splitting, and lazy loading, optimizing web application performance and improving load times.
* Adept at using **React Router** for seamless client-side routing, enhancing user navigation and experience in **SPAs**.
* Skilled in using **React Query** for effective server state management and caching, ensuring efficient data fetching and synchronization with backend **APIs**.
* Expertise in building modular, secure, and high-performance solutions by following modern **JavaScript** and web development practices.
* Experience in using **GIT** and **SVN** for collaborative development, maintaining code integrity, and facilitating team collaboration.
* Experienced in testing frameworks such as **Jasmine**, **Mocha**, **Karma**, **Enzyme**, and **Cypress (E2E)** to ensure comprehensive test coverage and maintain high code quality.
* Proficient in **IDEs** including **Eclipse**, **WebStorm**, and **Visual Studio**, supporting efficient development workflows.
* Sound knowledge of **SEO practices** to make websites **SEO-friendly** and skilled in tools like **GitHub**, **GitLab**, **SourceTree**, **Linux**, **Docker**, and **JIRA ticketing systems**.
* Committed to staying updated with the latest advancements in **React**, **JavaScript**, and web development ecosystems to enhance development practices and application performance.

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| Web Technologies | HTML 5, CSS3, JavaScript, AJAX, jQuery, XML, JSON. |
| J2EE Technologies | Servlets 3.0, JSP, JSTL, JMS, JDBC, Hibernate 4.x, Spring 4/3, JPA. |
| Servers | Apache Tomcat 5.5/6.0, Web Logic Application Server, Web Sphere. |
| Databases | MySQL, MongoDB, PostgreSQL. |
| Web Services | REST, SOAP. |
| Operating Systems | MS windows, OS X, Linux. |
| Development Tools | Eclipse, IntelliJ, Visual Studio, STS, NetBeans. |
| IDE | VS Code, Eclipse, IntelliJ. |
| Building Tools | Maven 3.x, Gradle. |
| Tools | Grunt, Gulp, Jasmine, Mocha, Karma, Enzyme, cypress(E2E) |
| Frameworks | Bootstrap, Angular JS, Angular5,6,8,9,10, 11,12 jQuery, React JS, VueJS, React native, Spring MVC, Node JS. |
| Package Manage | NPM, Bower, Grunt. |
| Version Control Tools | Apache Tomcat 5.5/6.0, WebLogic Application Server, Web Sphere. |

 **Professional Experience**

**Client: Publicis Sapient, Dallas, Texas May 2022 – Present**

**Role: Sr. Frontend Engineer/ React Engineer**

**Responsibilities:**

* Developed and programmed software applications, implementing rich functions using **ReactJS**, working with **React hooks** such as **useState**, **useEffect**, and **useContext**, and integrating **APIs** with **Axios Library**.
* Employed **React Router** for client-side routing, enabling seamless navigation between different components and pages within the application.
* Developed the **Header** and **Footer** of the web app as **UI components** in **ReactJS**, ensuring consistent design across the application.
* Built highly functional web applications using **JavaScript**, **HTML**, **CSS**, **TypeScript**, **React JS**, and **Redux**, focusing on performance and scalability.
* Worked on **React JS Virtual DOM** and React views, rendering using components that contain additional custom HTML tags, optimizing rendering performance.
* Integrated **Redux Form** to manage form state efficiently in React applications, streamlining form validation, submission, and data handling processes.
* Employed **React.memo** and **PureComponent** to optimize component rendering performance by preventing unnecessary re-renders and improving overall application efficiency.
* Utilized **Higher Order Components (HOCs)** and **Render Props** patterns to share code logic and behavior between multiple React components, promoting code reusability and modularity.
* Utilized **React Query** for effective management and caching of server state in React applications, ensuring efficient data fetching and synchronization with backend **APIs**.
* Employed **React's useEffect** hook for managing side effects and lifecycle methods within functional components, ensuring proper resource cleanup and data fetching.
* Implemented **React's useContext** hook for efficient management and consumption of global application state without prop drilling or **Redux**.
* Created dynamic web pages using **React**, **JavaScript**, **Node JS**, **HTML**, and **CSS**, ensuring high performance and responsiveness.
* Proficient in implementing **responsive design principles**, client-side form validation, and debugging **JavaScript** code using browser developer tools.
* Experienced in **AJAX** with **JSON** for data exchange, error handling strategies, and **Knockout.js** for dynamic user interfaces.
* Leveraged **Node.JS** for server-side applications, **Python** for data processing, and **ES6+ features** for modular and reusable code.
* Proficient in troubleshooting **Twilio integrations**, configuring **Git hooks**, and maintaining **Git repositories**.
* Configured **Webpack** for bundling assets, implemented **code splitting**, **lazy loading**, and optimized **AJAX** requests to enhance application performance.
* Deployed applications on **AWS cloud infrastructure**, used **Python** for scripting and automation, and developed microservices with **Golang**.
* Developed communication solutions using **Twilio APIs**, created stored procedures in **SQL Server**, and styled components using various **CSS frameworks**.
* Utilized **ReactJS**, **Redux**, **GraphQL**, and **NPM Modules** for enhancing reusable components, and optimized **UI performance** in Oracle ADF applications.
* **Environment** includes **ReactJS**, **JSX**, **Redux**, **Sagas**, **Axios**, **React Native**, **ES6**, **JSON**, **Node.js**, **webpack**, **Jira**, **WebStorm**, **EXT JS**, **Predix**, **Material UI**, and **Maven**.
* Implemented **ReactJS** to enrich various pages with functions like validation, authentication, and unit tests, leveraging **React hooks** such as **useState**, **useReducer**, **useContext**, and **useEffect**.
* Utilized **Axios Library** in **React** for seamless integration of **APIs** with the backend.
* Proficient in implementing **responsive design principles** using **media queries** in **JavaScript**, optimizing web applications for diverse devices and screen sizes.
* Implemented **client-side form validation** using **JavaScript** for enhanced user input handling and immediate feedback provision.
* Demonstrated proficiency in debugging **JavaScript** code using browser developer tools, ensuring efficient performance and issue identification.

 **Client: Fidelity Investments**

 **Location: Dallas, Texas January 2020 - March 2022
 Role: Sr UI Developer**

 **Responsibilities:**

* Developed applications using **HTML5**, SCSS, **Bootstrap**, JavaScript, jQuery, Angular JS, **Jasmine**, React, **Redux**, and **Redux**-Saga.
* Used React-Router to turn the application into a Single Page Application, enhancing user experience with smooth navigation.
* Worked with **React JS** components, forms, events, keys, animations, and **Redux** concepts, creating a dynamic and interactive user interface.
* Utilized **React JS** for templating, enabling faster compilation and development of reusable components.
* Implemented **React JS** code to handle cross-browser compatibility issues in browsers such as Mozilla, IE 7, 8, 9, Safari, and Firefox.
* Added **Redux** to simplify components' data and state management, making the application more maintainable and scalable.
* Updated versions of React and React-Router to incorporate the latest features and improvements.
* Maintained existing React systems, including fixing bugs and adding new features to enhance application functionality.
* Created configurable and reusable components using **ReactJS**, employing JSX for markup, props, state, lifecycle methods, and DOM event handling.
* Prepared design documents such as process flow diagrams, sequence diagrams, and component diagrams to outline the architecture and functionality.
* Used **Angular-Router** to turn the application into a Single Page Application, leveraging Angular 8 for custom components and data manipulation.
* Designed and developed the login portal using Angular along with **HTML5**, **CSS3**, and **TypeScript**.
* Created tar.gz builds and deployed them to the artifactory for version control and deployment.
* Implemented **Bootstrap** CSS styles and React components to enhance the interaction and user experience.
* Refactored the search suggestions system with **Redux** Saga to reduce redundant API calls, improving application efficiency.
* Worked closely with the back-end team to display data using custom components, library components, and **Redux**.
* Utilized Angular 8 and D3 for implementing data visualization, and S3 buckets for secure storage accessible via authenticated login.
* Developed build and deployment scripts using Maven in Jenkins, facilitating smooth transitions between environments.
* Implemented **AJAX service calls** to interact with the backend, improving the application's interactivity and responsiveness.
* Written test cases using **JEST** to ensure code functionality and reliability.
* Participated in automation testing using **Selenium** to verify application performance and stability.
* Involved in the complete Software Development Life Cycle (SDLC), including requirement analysis, design, and implementation.
* Developing build and deployment scripts using MAVEN as a build tool in Jenkins to move from one environment to other environments.
* Implemented AJAX to provide a pleasant client-side experience.
* Made **AJAX service calls** to create, get, post, delete data from the backend.
* Written test cases using **JEST** for several pieces of code to check the functionality.
* Did Ad-hoc testing every week to make sure everything is working as expected.
* Participated in Automation testing using **selenium**.
* Involved in the complete Software Development Life Cycle (SDLC) phases such as Requirement Analysis, Design, and Implementation of the project.
* Used Git as source controls and JIRA for tracking stories.
* Experience in using various **Amazon Web Services (AWS)** components like EC2 for virtual servers, S3 for storing objects, Elastic Beanstalk, Elastic Cache and Dynamo DB for storing data.

**Client: AgFirst Columbia, SC October 2017 – November 2019**

**Role: UI/React Developer**

**Responsibilities:**

* Responsible for developing non-functional **HTML5**, **CSS3** pages from mockups and conducting **UI reviews** with **UI architects** to ensure design fidelity.
* Developed reusable and non-functional **React components** from wireframes and mockups, maintaining consistency and quality through reviews with UI architects and business units.
* Built web applications using **React.js**, **SASS**, **JSON**, and **Bootstrap**, ensuring responsiveness and user-friendly interfaces.
* Converted design mockups into clean, hand-coded **React components**, leveraging **HTML5**, **CSS3**, **JSX**, **JavaScript**, and **RESTful APIs** for efficient rendering.
* Implemented responsive design using **React**, **CSS3**, and **JavaScript**, ensuring seamless experiences across various screen sizes and devices.
* Integrated **Azure services** like **Logic Apps**, **API Management**, **Application Insights**, and **Key Vault** for efficient management, monitoring, and security of **React.js** applications.
* Utilized asynchronous data fetching with **React’s Fetch API** and **Axios**, managing server-side interactions, UI operations, and real-time updates.
* Developed **RESTful APIs** in **Node.js**, conducted code reviews, and introduced modern **JavaScript** and **React** best practices to enhance code quality and efficiency.
* Integrated third-party APIs into **React applications** and ensured unit testing using **Jest** and **React Testing Library** to optimize performance and ensure reliability.
* Developed internal applications using **React.js** and **Node.js**, managing the backend with **MongoDB** and connecting front-end components with **RESTful services**.
* Configured **AWS environments** with **VPCs**, **CloudWatch**, **SNS**, **SQS**, and implemented disaster recovery plans for **React.js** applications, ensuring reliability and high availability.
* Optimized web performance and ensured cross-browser compatibility by fine-tuning **React components**, reducing re-renders, and improving load times.
* Designed and implemented user interface elements in **React**, collaborating with backend services to customize data handling, automated reporting, and ensuring UI consistency.
* **Environment:** **React.js**, **JavaScript**, **HTML5**, **CSS3**, **Bootstrap**, **Node.js**, **MongoDB**, **AWS**, **Git**, **Jira**, **Agile methodologies**, **Webpack**, **Babel**, **Redux**, and **RESTful services**.
* Implemented data validation, error handling, and form management in **React.js**, ensuring data integrity and enhancing user experience with intuitive error messages.
* Used **Git** and **GitHub** for version control and collaboration, ensuring code consistency and integration with other developers across teams.
* Collaborated with cross-functional teams, including **UX designers**, **backend developers**, and **QA engineers**, to deliver **React.js**-based solutions on time and within budget.
* Conducted code refactoring and performance optimization in **React applications**, improving maintainability and reducing bundle sizes for a better user experience.
* Participated in **Agile methodologies** such as **Scrum** or **Kanban**, attending daily stand-ups, sprint planning, and retrospective meetings to ensure timely project delivery.
* Provided technical support and troubleshooting for production **React applications**, resolving issues, and ensuring the smooth operation of deployed solutions.

**Client: Narvee Technologies Hyderabad, India April 2015 – June 2017**

**Role: Front end Developer**

**Responsibilities:**

* Proficiently used testing frameworks such as **Jasmine**, **Mocha**, and **Chai** to ensure comprehensive test coverage and maintain code quality throughout the development process.
* Demonstrated expertise in **Node.js**, employing it as a versatile web server to handle various tasks and manage server-side logic efficiently.
* Leveraged the **Express Framework** in **Node.js** to develop middleware for handling HTTP requests and routing, optimizing the application's performance and scalability.
* Implemented robust security measures using **JSON web tokens (JWT)** in **Node.js** applications, ensuring secure authentication and authorization processes.
* Effectively utilized the node-rest-client module to integrate with external REST APIs and retrieve data in **JavaScript** object notation (**JSON**) format, enhancing data interoperability and connectivity.
* Demonstrated proficiency in **React.j`s**, utilizing its powerful features such as lifecycle methods, state management, and component-based architecture to build dynamic and interactive user interfaces.
* Contributed to the improvement of application performance by leveraging **React.js's** **virtual DOM** and efficient rendering mechanisms for optimal user experience.
* Successfully implemented client-side interfaces using **React.js,** employing its component-based approach and modular design principles to create reusable UI elements.
* Customized JSX files to tailor user interface components according to project requirements, ensuring flexibility and adaptability.
* Practiced **agile methodologies**, particularly Scrum, for project management, facilitating regular communication, collaboration, and incremental development cycles.