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Role: Sr Frontend Developer

PROFESSIONAL SUMMARY:

- Over **5 years** of professional experience in designing, developing, testing, and maintaining modern web applications using **React.js, Angular**.
- Strong proficiency in writing **semantic, accessible, and SEO-friendly HTML** to create well-structured web applications while ensuring cross-browser compatibility.
- Skilled in leveraging **Bootstrap's grid system, UI components, and utility classes** to rapidly develop mobile-first and responsive web designs.
- Strong expertise in **JavaScript (ES6+), TypeScript, and object-oriented programming**, with hands-on experience in **React.js, Angular.js, and Vue.js** to build scalable and high-performing applications.
- Proficient in **Adobe Photoshop and Adobe XD** for **UI/UX design, wireframing, and prototyping**, ensuring visually compelling digital experiences.
- Strong experience in **Figma for collaborative design**, creating interactive prototypes, UI components, and design systems for streamlined development workflows.
- Expertise in **Flutter app development**, building high-performance, cross-platform mobile applications with **custom widgets, animations, and Firebase integration**.
- Experience with **HTML5 APIs** like **Web Storage (localStorage & sessionStorage), Geolocation API, Drag-and-Drop API, WebSockets, and IndexedDB**, enhancing user interactivity and performance.
- Proficient in **state management** using **Redux** for **React**, **NgRx** for **Angular**, and **Vuex** for **Vue.js**, ensuring seamless data flow and optimized performance across large-scale applications.
- Strong knowledge of **CSS3** and modern **UI frameworks**, including **Bootstrap, Material-UI, Tailwind CSS, and Ant Design**, to create visually appealing and mobile-friendly interfaces for **React, Angular, and Vue** projects.
- Hands-on experience in **progressive web applications (PWA)** development using **React.js, Angular.js, and Vue.js**, enhancing performance and offline accessibility.
- Strong understanding of **RESTful API integration**, handling asynchronous operations using **Axios** in **React** and **Vue**, and **HttpClient** in **Angular**, ensuring efficient frontend-backend communication.
- Proficient in **unit testing** and **end-to-end testing** using tools like **Jest (React), Jasmine/Karma (Angular), and Cypress (Vue.js)** to ensure high-quality, bug-free applications.
- Skilled in **version control** and **collaboration tools** like **Git, GitHub, GitLab, and Bitbucket**, ensuring efficient source code management for **React, Angular, and Vue** projects.
- Experience working in **Agile** and **Scrum** environments, actively participating in **daily stand-ups, sprint planning, and code reviews** for **React, Angular, and Vue** development.
- Proficient in **state management** using **Redux** for **React**, **NgRx** for **Angular**, and **Vuex** for **Vue.js**, ensuring seamless data flow and optimized performance across large-scale applications.

TECHNICAL SKILLS:

Languages	C, C++, JavaScript, SQL, Java, React (V16.8), Node JS,
UI Web Technologies	HTML/HTML5, CSS/CSS3, DHTML, XML, XHTML, XSLT, JavaScript, AJAX, jQuery, JSON, Apache, PHP, DOM, RESTful, SOAP services, web services
Databases	Oracle 11g/12C, MS SQL Server, My SQL
Operating Systems	Windows 98/7/8/10/XP, UNIX, LINUX
Testing & Debugging Tools	Firebug, Bugzilla, Chrome Developer Tools.
Web/App Server/Services	Apache Tomcat, Web Logic, RESTful, SOAP
Workflow Tool kit	Webpack, Jenkins, Grunt, Gulp
Developer Tools	Visual Studio Code, Notepad++, Eclipse IDE, Sublime Text, Atom, Web storm, MS Office, GIT, SVN, Bit Bucket

EDUCATIONAL DETAILS:

- Master of Science in Computer Science, River University, New Hampshire, USA.
- Bachelor of Technology in Computer Science Engineering, KLUH University, India.

PROFESSIONAL EXPERIENCE:

Client: Charles Schwab, Miami, FL

May 2023 – Till Date

Role: Sr. Frontend Developer

Responsibilities:

- Developed and maintained responsive, mobile-first user interfaces in **React 18**, leveraging modern UI libraries such as Material-UI, Tailwind CSS, and Chakra UI, while optimizing performance with concurrent rendering.
- Integrated unit and component testing in **React 18** using **Jest, React Testing Library, and Cypress**, ensuring high reliability and maintainability of components while following best testing practices.
- Developed server-side rendered applications using **Next.js** improving performance SEO and initial page load times by pre-rendering content on the server
- Designed and implemented efficient API queries in **GraphQL**, reducing over-fetching and under-fetching of data for optimized performance.
- Configured **Redux** store using combineReducers and modular reducers ensuring better organization and scalability for complex state-driven applications
- Created high-fidelity UI/UX designs using **Figma** enabling pixel-perfect mockups, responsive layouts, and real-time design collaboration with stakeholders and developers
- Optimized **Node.js** applications by implementing clustering and worker threads, ensuring load balancing and improved performance under high traffic.
- Configured **Webpack** for bundling JavaScript, CSS, and assets optimizing application performance by reducing file size and improving loading speed
- Utilized **HTML5** forms with various input types (text, email, password, date, file, radio, checkbox) and applied validation attributes (required, pattern, maxlength) to enhance user input handling.
- Optimized performance in **JavaScript** applications by implementing debouncing, throttling, and efficient DOM manipulations to enhance responsiveness.
- Configured tsconfig.json in **TypeScript** projects to optimize compiler options, enabling strict type checking, module resolution, and enhanced debugging.
- Utilized **CSS3** media queries to create fully responsive designs that adapt dynamically to various devices, including mobile, tablet, and desktop views.
- Managed version control efficiently using **Git** ensuring seamless collaboration by tracking changes, merging branches, and resolving conflicts in code repositories
- Created and consumed APIs including **RESTful APIs, GraphQL, third-party APIs**, worked with **Azure API Management**, and integrated **Azure, Office 365, Botify APIs**
- Set up auto-scaling and load balancing in **AWS** using Elastic Load Balancer (ELB) and Auto Scaling Groups to handle traffic spikes efficiently.

Environment: Angular,HTML, CSS3, Sass, Less, JavaScript, ES6, Botify, Cypress,Bootstrap, Ajax,NextJS,React JS, Redux, Flex, My SQL, XML, XSL, XSLT, JSON, Git hub, Restful API, AWS, JIRA, Jasmine and Web Strom

Client: State Farm, Bloomington, IL

Jul 2021 –Jul 2022

Role: Sr Frontend Developer

Responsibilities:

- Utilized **React 17's concurrent rendering** to improve performance by allowing multiple state updates to be processed simultaneously without blocking the UI, enhancing responsiveness in complex applications.
- Implemented automatic state batching in **React 17** to group multiple setState updates within event handlers and asynchronous functions, minimizing unnecessary re-renders and improving application efficiency.
- Implemented static site generation (SSG) and incremental static regeneration (ISR) in **Next.js** optimizing content updates while maintaining fast loading speeds

- Optimized state management in **Redux** by using selectors and memoization with **Reselect** reducing unnecessary re-renders and improving application efficiency.
- Developed **GraphQL schemas** with queries, mutations, and subscriptions, ensuring structured and scalable API design.
- Implemented **Webpack** code splitting using **splitChunks** ensuring efficient lazy loading and improving initial page load time for large applications
- Implemented **HTML5** tables with proper accessibility attributes, utilizing **thead**, **tbody**, **tfoot**, and **caption** for better data structuring and readability.
- Built reusable design systems in **Figma** using components, variants, and auto-layout ensuring consistency, scalability, and faster iteration across projects
- Handled errors effectively in **JavaScript** applications using try-catch blocks, custom error classes, and centralized error logging to ensure application stability.
- Implemented utility types such as **Partial**, **Pick**, **Omit**, and **Readonly** in **TypeScript** to improve flexibility while maintaining type safety.
- Enhanced UI consistency using **CSS3** preprocessors like **SASS** and **LESS**, leveraging mixins, nesting, and variables to write modular and reusable stylesheets.
- Utilized **Git** branching strategies like **Git Flow** and feature branching improving workflow organization and enabling smooth development and deployment cycles
- Set up auto-scaling and load balancing in **AWS** using **Elastic Load Balancer (ELB)** and **Auto Scaling Groups** to handle traffic spikes efficiently.
- Secured **Node.js** applications by implementing authentication mechanisms such as **JWT**, **OAuth**, and session-based authentication with **Passport.js**.
- Optimized **REST API** performance using caching mechanisms like **Redis**, query optimization, and pagination to reduce response time and database load.
- Managed **CI/CD security** by integrating tools like **SonarQube** and **Snyk**, scanning for vulnerabilities and ensuring compliance with security best practices.

Environment: React.js, Redux,ES6, React HOC, NextJS, React Observables, Cypress,react hooks, React Async Await, React Promises, Saga.JS, Angular.JS, SCSS, CORS, WCAG, XSS, SASS, LESS, Java, MySQL, Mongo DB, GraphQL, Visual Studio, Sublime Text, Webpack, Thunk, JWT, HTML5, CSS3, Ajax, Bootstrap.

Client: SB Systems, Hyderabad, India

Jun 2019 – Jun 2021

Role: Frontend / UI Developer

Responsibilities:

- Implemented **React 16's Streaming SSR**, allowing the application to send UI chunks progressively to the client, significantly improving perceived load times and enhancing SEO for dynamic content.
- Implemented **React 16's useDeferredValue()** to enhance real-time search experiences by preventing unnecessary re-renders when typing, ensuring smoother interactions in large data-driven applications.
- Utilized **Next.js** API routes to create backend endpoints within the same project simplifying server-side logic and reducing the need for external backend services
- Implemented **Redux** with middleware like **Redux Thunk** and **Redux Saga** enabling asynchronous data fetching and side effect management for better performance
- Integrated **Apollo Client** in frontend applications to manage state and fetch data from **GraphQL** APIs efficiently.
- Optimized assets in **Webpack** by using loaders for CSS, images, and fonts enabling seamless integration and better performance across different file types
- Embedded external content in **HTML5** using **iframe** for maps, videos, and third-party widgets while applying sandbox and security policies to prevent vulnerabilities.
- Worked with the Document Object Model (DOM) in **JavaScript**, utilizing query selectors, event listeners, and dynamic element manipulation to create interactive UIs.
- Developed interactive **Figma** prototypes with transitions and animations simulating real user flows for usability testing and stakeholder presentations

- Performed advanced debugging in **TypeScript** applications using source maps, inline error reporting, and integration with modern IDEs like VS Code.
- Implemented dark mode and theme switching in **CSS3** using custom properties, prefers-color-scheme media queries, and JavaScript integration.
- Implemented **Git** hooks for pre-commit and pre-push validations automating tasks like code linting, formatting, and security checks before committing changes
- Implemented logging and monitoring using **AWS CloudWatch** and **AWS CloudTrail**, tracking system performance and security audits.
- Scheduled automated tasks in **Node.js** using cron jobs and the **node-cron** package, managing background jobs like email notifications and data backups.
- Deployed **REST APIs** on cloud platforms like **AWS (Lambda, EC2, API Gateway)**, **Heroku**, and **DigitalOcean**, ensuring high availability, scalability, and monitoring with **Postman** and **New Relic**.

Environment: React.js, Redux, Angular 2, ES6, Redux, NextJS, Typescript, JavaScript, HTsML5, CSS3, Ajax, Bootstrsap.JS, Angular.JS, WCAG, CORS, SASS, LESS, Java, Oracle, MySQL, REST, Node.JS, Chrome, Visual Studio, Sublime Text, GitHub, Selenium, Scrum, Agile, AWS, Jenkins, Docker, Kubernetes, JSON, XML, Jira, Linux.