Vaishnavi Pusapati

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Summary

Dynamic front-end web developer with expertise in React, Angular, and Typescripts, and a proven ability to deliver high-performance, user-centric applications. Skilled in enhancing application efficiency, improving user engagement, and streamlining development workflows to support scalable and maintainable software solutions.

Technical Skills

- **Front-End Development:** HTML5, CSS3, JavaScript (ES6+), TypeScript
- **Frameworks & Libraries:** React.js, Angular, Next.js
- **State Management:** Redux, Context API, NgRx
- **Tools & Platforms:** Git, GitHub, AWS, Jenkins, Jest, Cypress
- **UI/UX Design:** Tailwind CSS, Material-UI, Bootstrap, Figma, Web Accessibility (WCAG)
- **Architecture:** Component-Based Architecture, Microservices, MVC
- **Performance Optimization:** Webpack, Lighthouse, Lazy Loading, Code Splitting
- **Soft Skills:** Problem-Solving, Collaboration, Communication, Adaptability

Professional Experience

Software Developer   **03/2025 – Present**
Unicon Systems | Tampa, Florida

- Built scalable, high-performance React.js applications with efficient state management using Redux and Context API, resulting in a 30% improvement in application efficiency.
- Refined user interfaces by implementing responsive designs with Material-UI and Tailwind CSS, increasing user engagement by 25% across devices.
- Integrated RESTful APIs and GraphQL to streamline data operations, reducing response times by 40% and boosting overall app performance.
- Developed and maintained robust unit and integration tests using Jest and React Testing Library, achieving 95% test coverage and cutting post-deployment bugs by 50%.
- Partnered across departments to build scalable, maintainable front-end solutions tailored to user needs.
- Spearheaded the adoption of TypeScript in new React components, improving code maintainability and reducing type-related errors by 60%.
- Optimized Webpack configurations to enhance build performance, decreasing bundle sizes by 20% and improving load times.
- Implemented lazy loading and code splitting in React applications, reducing initial load times by 15% and improving user experience.
- Collaborated with UX designers to create accessible UI components, achieving 100% WCAG 2.1 compliance across all web applications.

Environment: HTML5, CSS3, JavaScript, TypeScript, React.js, Redux, Context API, Material-UI, Tailwind CSS, GraphQL, RESTful APIs, Jest, React Testing Library, Webpack, AWS, GitLab, Jenkins

Software Developer   **10/2023 – 03/2025**
Symphony Solutions | Atlanta, Georgia

- Optimized RESTful API interactions, reducing server response times by 25% and cutting error rates by 50%.
- Boosted user satisfaction by 20% and increased conversion rates by 10% through effective A/B testing and seamless navigation using React Router.
- Streamlined UI layouts and prototypes by leveraging jQuery, ReactJS, and advanced Angular techniques, decreasing development time by 30%.
- Accelerated overall development speed by 30% through leading technical design discussions and promoting cross-functional team collaboration.
- Developed reusable React components with TypeScript, enhancing code modularity and reducing development time for new features by 15%.

- Implemented performance monitoring tools to track UI rendering, identifying and resolving bottlenecks that improved page load speeds by 20%.
- Integrated Storybook for component documentation, improving developer onboarding and reducing UI development time by 10%.
- Enhanced Angular applications with NgRx for state management, improving data consistency and reducing state-related bugs by 25%.

Environment: HTML5, CSS3, JavaScript, TypeScript, React.js, Angular, jQuery, React Router, RESTful APIs, Git, Jenkins, Figma, Bootstrap, Storybook, NgRx

Software Engineer   **01/2023 – 09/2023**
Data Flake LLC | Irving, Texas

- Developed high-speed SPAs using AngularJS and Sass, cutting load delays by 35% through efficient styling and script optimization.
- Integrated SVN and JIRA into development workflows, decreasing bug resolution conflicts by 20% and streamlining team collaboration.
- Led the transition from a monolithic architecture to microservices, enhancing system scalability and maintainability by 30%.
- Implemented progressive web applications with Angular 14, ensuring modern, responsive user experiences aligned with industry trends.
- Coordinated with cross-functional teams to deliver modular, scalable front-end solutions that improved development efficiency and long-term project sustainability.
- Designed and implemented custom Angular directives to enhance UI interactivity, improving user engagement by 15%.
- Integrated Lighthouse audits into the CI/CD pipeline, achieving a 90% performance score across all web applications.
- Developed a custom Angular service for real-time data streaming, reducing data latency by 20% in dynamic dashboards.
- Mentored junior developers on best practices for Angular development, improving team productivity by 10%.

Environment: HTML5, CSS3, JavaScript, AngularJS, Angular 14, Sass, SVN, JIRA, Microservices, Git, AWS, Bootstrap, Lighthouse

Graduate Research Assistant   **09/2021 – 11/2022**
University of Memphis | Memphis, Tennessee

- Reduced usability issues by 90% and increased organic traffic by 90% through in-depth user research, debugging, and SEO optimization strategies.
- Enhanced website interactivity by 40% using a combination of HTML5, CSS3, JavaScript, and Google Workspace tools.
- Delivered data-driven project insights through Google Analytics reports, earning 98% positive feedback from university administrators.
- Boosted user engagement by 35% and decreased bounce rates by 25% within six months through the design and integration of custom WordPress themes and plugins.
- Developed interactive data visualizations using JavaScript and D3.js, improving stakeholder understanding of research findings by 30%.
- Streamlined content management processes by automating WordPress plugin updates, reducing maintenance time by 20%.
- Designed a responsive university portal using Bootstrap, improving mobile accessibility and user retention by 15%.
- Implemented A/B testing for website layouts, identifying optimal designs that increased user session duration by 10%.

Environment: HTML5, CSS3, JavaScript, WordPress, D3.js, Google Analytics, Google Workspace, SEO Tools, Git, Bootstrap

Web Developer   **08/2016 – 12/2020**
Suvidha Software Solutions Pvt Ltd | Hyderabad, India

- Improved code generation efficiency by 40% using Angular CLI and streamlined development through the adoption of MVC architecture and microservices.
- Boosted application responsiveness by 50% with RxJS and Ngx-Bootstrap, while enhancing state management in React apps using Redux to improve performance by 20%.

- Strengthened front-end performance by trimming page load duration by 25% through Webpack optimization.
- Enhanced deployment and build reliability by refining CI/CD pipelines on AWS with Jenkins, increasing deployment efficiency by 40% and reliability by 25%.
- Collaborated across cross-functional Agile teams, leading to a 15% improvement in project delivery efficiency and better technical documentation practices.
- Elevated front-end architecture to enhance user experience across devices and browsers, ensuring seamless performance and responsiveness by 75%.
- Introduced automated testing with Jasmine and Karma, increasing test coverage by 30% and reducing UI-related bugs.
- Developed a custom Angular service to handle real-time data updates, improving application responsiveness by 25%.
- Optimized CSS with SASS preprocessors, reducing stylesheet sizes by 20% and improving rendering performance.
- Led the implementation of a design system with Material-UI, ensuring consistent UI across applications and reducing design time by 15%.

Environment: HTML5, CSS3, JavaScript, Angular, React.js, Redux, RxJS, Ngx-Bootstrap, Webpack, AWS, Jenkins, Git, Jasmine, Karma, Microservices, MVC, SASS, Material-UI

Internship   **01/2016 – 04/ 2016**
Non-Profit Organization | Guntur, India
- Boosted website performance by 15% and decreased load times by 25% using efficient DOM manipulation techniques.
- Migrated legacy web applications from Angular 2 to Angular 4, improving overall performance, code maintainability, and scalability.
- Conducted social network analysis that led to a 15% increase in donations and a 20% rise in collaboration opportunities.
- Teamed up with developers and stakeholders to identify and resolve performance bottlenecks, accelerating project delivery.
- Redesigned the donation portal UI with Bootstrap, improving user conversion rates by 10%.
- Implemented client-side form validations with JavaScript, reducing server-side errors by 30%.
- Developed a custom JavaScript module for dynamic content loading, enhancing page interactivity by 20%.
- Documented UI components and workflows, improving stakeholder communication and reducing onboarding time for new developers by 15%.

Environment: HTML5, CSS3, JavaScript, Angular 2, Angular 4, Bootstrap, DOM, Git

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Certifications

Certified React.js Developer.

Certified Angular Developer.

Certified JavaScript Developer.

Certified HTML5 Developer.

Education

Master of Science in Management Information Systems
University of Memphis, Memphis, Tennessee.
Bachelor of Technology in Electronics and Communication Engineering
KKR & KSR Institute of Technology and Sciences, Guntur, India.