Bennett Brooks

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Seasoned Software Engineer with 12+ years in frontend and full-stack development. Proficient in modern web technologies and APIs. Expertise in performance optimization, usability, accessibility, and responsive web design. Enthusiastic mentor and cross-functional leader.

Skills

JavaScript, React, TypeScript, Next.js, Vue.js, Redux, Zustand, CSS, Tailwind CSS, RESTful APIs

Experience

Contract Software Engineer, Self-Employed - Portland, OR   Dec 2024 - Present

- Built websites and apps using JavaScript, React, TypeScript, Next.js, CSS, and Tailwind CSS.
- Focused on clean architecture and maintainable code, improving usability and accessibility.
- Optimized web applications for performance, scalability, and cross-browser compatibility.

Frontend / Full-Stack Software Engineer, ZenBusiness - Austin, TX   Feb 2021 - Nov 2024

- Developed and maintained web applications using JavaScript, React, Redux, TypeScript, and CSS.
- Significantly improved core web vitals for the public website, increasing conversion rates.
- Integrated UI with RESTful APIs, contributed to Python APIs, and built microservices using Node.js.
- Mentored engineers and led large cross-team projects, driving improvements in coding practices, usability, documentation, and performance.

Founder & Lead Engineer, NuTandem - Portland, OR   May 2013 - Dec 2021

- Developed hundreds of apps using JavaScript, React, TypeScript, Next.js, and CSS.
- Built a library of components to improve efficiency, code quality, and maintainability.
- Designed and optimized the company website with JavaScript, PHP, and CSS, steadily improving SEO, core web vitals, traffic, and conversions.
- Discovered and documented requirements, managed projects, and provided customer support.

Contract Web Developer, USDA Forest Service - Albuquerque, NM   Oct 2013 - Dec 2020

- Trained and mentored developers and built apps using JavaScript, CSS, PHP, and SQLite, improving performance and coding standards.
- Built a Content Review Tool, facilitating the review of hundreds of thousands of web pages.
- Developed templates and provided training and support to enable teams to build their own responsive, accessible websites for sharing and managing documents and data.

Systems Manager & Process Engineer, GL Solutions - Bend, OR   Jul 2006 - May 2013

- Reengineered business processes and tools, improving efficiency, engagement, and job satisfaction.
- Built custom software and delivered documentation, training, and support to help teams collaborate and evolve, enhancing usability and adoption of internal tools and processes.
- Led usability studies and built a customer community to help shape the company's software.

Technical Documentation Specialist, I/O Software - Riverside, CA   Mar 2002 - Jul 2006

- Produced extensive technical content related to software integrations with biometric security devices (e.g., fingerprint, retina, iris, voice, face, keystroke).
- Contributed to patent applications related to cryptographic security, including research and mathematical analysis.

Education

Bachelor of Science (B.S.) in Mathematics - University of Redlands   May 2001

Endowed Alumni Scholarship, Presidential Scholarship, Scholar-Athlete Award, Departmental Honors

Awarded a fully funded PhD fellowship in Applied Mathematics at Claremont Graduate University before choosing to pursue a career in software engineering.

More Information

- More skills: www.benbrooks.dev/skills
- Detailed experience: www.benbrooks.dev/experience
- Sample projects: www.benbrooks.dev/projects