Woodland Schultze

Full-Stack Software Development Engineer
Meticulous, self-driven, and constantly striving to surpass expectations.

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Skills

TypeScript	JavaScript	React	Next.js	GraphQL	PostgreSQL	Tailwind CSS
Python	HTML	Redux	Node.js	Express	REST	SASS
Git	ES6+	VSCode	Django	MongoDB	GCP	Apollo

Experience

Software Engineer | Self-Employed | Willits, CA (Remote)   *2017-Present*

Developed, maintained, and optimized highly responsive and cross-browser-compatible web applications using multiple technology stacks, ensuring high performance and scalability with superb client experience.

User Engagement — **Doubled user conversion rates,** as reported by Google Analytics, by utilizing the Google Maps API to create data-rich, interactive interfaces styled with SASS modules and modern design principles.

Site Performance Optimization — **Improved page load times by 30%** (Lighthouse) by migrating key features to Redux for efficient state management, resulting in faster, more responsive apps and streamlined debugging.

SEO & Accessibility — **Achieved top SEO scores and accessibility** through Semantic HTML, and adherence to W3C/WCAG standards, delivering responsive, mobile-friendly pages for all users.

Development Acceleration — **Streamlined project setup time by 50%,** using modular React components, custom hooks, and boilerplate repositories, driving faster delivery and enhancing the developer experience.

Security Fortification — **Elevated Qualys SSL ratings from B to A+** by configuring Cloudflare's Full (Strict) SSL mode with DNS proxy and enhanced SSL/TLS settings, boosting site security and performance.

Codebase Refactoring — **Eliminated site downtime and data type mismatches** by converting JavaScript to TypeScript, enriching code stability, maintainability, and overall development environment reliability.

Uptime Assurance — **Attained 99.9% site uptime** by leveraging GCP and AWS for scalable resources, data storage, and security, ensuring dependable and high-performance application management.

API Development & Integration — **Built and consumed RESTful APIs and GraphQL endpoints,** enabling seamless data exchange between client-side applications and backend services, improving project integration capabilities.

Version Control & Collaboration — **Employed Git for efficient version control,** branching, and merging, ensuring a streamlined workflow in both solo and collaborative projects, minimizing conflicts and maintaining codebase integrity.

Preprocessing & Styling — **Utilized SASS/SCSS, Tailwind, and CSS-in-JS** for modular, maintainable, and responsive UI design; significantly reducing CSS redundancy and improving overall design consistency across applications.

Financial Trader | Self-Employed | Willits, CA (Remote)   *2015-2024*

Math and Science Teacher | Laytonville Unified School District | Laytonville, CA   *2014-2015*

Education

Teacher Credentialing Program | Dominican University of California | Ukiah, CA   *2014-2015*

B.A. Mathematics | Humboldt State University | Arcata, CA   *2008-2013*

Solutions to the most challenging problems are often intuitively obvious to the casual observer.