

REBECCA SHOPTAW

Software Engineer

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Full-stack engineer with a track record of shipping ambitious features and complex fixes for large-scale applications.

SKILLS

React | TypeScript | JavaScript | HTML | CSS | Node.js | Next.js | Vercel | Tailwind CSS | Git | Jest | Docker | CI/CD |

PROFESSIONAL EXPERIENCE

Software Engineer & Frontend/i18n Lead	Internet Archive	Remote December 2023 - Present
<ul style="list-style-type: none">Successfully shipped 8+ new features and fixes as a volunteer for a digital library with 30M+ monthly visitors, ensuring code quality with automated unit and integration testing and lintingMentored developers and performed 3+-round code reviews as a frontend and internationalization (i18n) lead, maintaining updates to and automation for the database of 1,000+ translated phrasesCollaborated with a cross-functional team of 15 via weekly meetings, code review, frontend and backend architecture best practices, and continuous integration/continuous delivery (CI/CD) workflowsEnhanced site's global accessibility by proposing and overseeing bulk re-formatting of 300+ lines of previously untranslatable text, and ensured continued translation by writing a 12-part i18n documentation guidePioneered automated updates of a critical and frequently out-of-date 3,000+-line file by writing an efficient, Python-based pre-commit hook to assess each incoming site feature and make automatic updates as neededYielded a 30% reduction in cover image submission time by revamping the user experience (UX), replacing outdated JavaScript validation methods and preventing duplicate entriesIdentified optimal solutions by diving deep into the 18-year-old codebase to solve complex issues at the root		

Software Engineer	Freelance	Remote October 2023 - Present
<ul style="list-style-type: none">Increased responsiveness, performance and scalability by up to 80% by overhauling and rebuilding client sites, transforming bare-bones HTML sites and simple single page profiles into seamless, modern React applicationsReduced page creation time by > 90% in a TypeScript and Next.js rebuild of a SquareSpace site by using SOLID design principles to replace 13 individually-generated pages with a simple, reusable React componentFacilitated continuing client updates of 15+ elements of a Next.js site by building a fully customized headless CMS using Node.js and MongoDBSynthesized client site objectives and aesthetic vision into actionable plans for site architecture, code and design, maintaining a 24 hour turnaround time between initial meeting and delivery of full proposal		

PORTFOLIO HIGHLIGHTS

Triolingo	October 2023
<ul style="list-style-type: none">Generated immediate user impact by propelling the product from initial concept to first launch in < 24 hoursTransformed scalability and extensibility by using SOLID design principles to distribute the game logic among 25 reusable, modular React components and 8 custom hooks and TypeScript helper functionsDelivered a > 89% reduction in main component length in a single week by spearheading a thorough streamlining, refactoring and restructuring process	
Open Editions	September 2023
<ul style="list-style-type: none">Orchestrated site expansion by making the 10 customized style and content data points entirely dependent on a TypeScript object so as to achieve full reusability for the React audiobook user interface (UI)Currently scaling up, developing new features for the site, and incorporating a 40,000-book library and customized audio player by deploying a REST API-linked search algorithm	

EDUCATION

BA, Film and Media Studies	Yale University	New Haven, CT August 2014 - June 2018
GPA: 3.88 — cum laude, with distinction		
<ul style="list-style-type: none">Mastered JavaScript, HTML, CSS, C, SQL, and Data Structures and AlgorithmsIndependently trained self in Swift by taking a video-editing iOS app from ideation to completion in under 3 weeksOne of only 20 students out of 500+ with a project selected to be featured in CS50 year-end course showcase video		