

REBECCA SHOPTAW

Full-Stack Software Engineer

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Software engineer with a track record of delivering high-impact features and fixes for large-scale applications.

SKILLS

React | TypeScript | JavaScript | HTML | CSS | Python | Flutter/Dart | Node.js | Express | Figma | Git | Jest | Docker

PROFESSIONAL EXPERIENCE

Engineering Fellow, Frontend Lead	Internet Archive	San Francisco, CA (Remote) <i>December 2023 - Present</i>
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- Shipped 30+ new features and fixes as an engineering fellow for a digital library with 30M+ monthly visitors, ensuring code quality and maintainability with thorough end-to-end testing, linting and documentation
- Delivered a modern and user-friendly new registration process for the Internet Archive's Open Library site, executing a full page redesign and adding 9 new validation checks using JavaScript, HTML and Python
- Optimized the site's internationalization process, reducing the delay for new text translation availability from up to 6 months to less than 5 minutes by building a Python-based automation tool
- Collaborated 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) workflows

Full-Stack Software Engineer	Freelance	New York, NY (Hybrid) <i>October 2023 - April 2024</i>
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- Increased responsiveness, performance and scalability by up to 80% by overhauling and redesigning client sites, transforming bare-bones HTML sites and simple single page profiles into feature-rich React sites
- Reduced new page build time by > 90% in a Next.js rebuild of a SquareSpace site by replacing 13 repetitive individually-generated pages with a simple, reusable React component
- Synthesized 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

Filmmaker	Rebecca Shoptaw Films	New York, NY <i>August 2016 - Present</i>
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- Drove increasingly ambitious, highly technical projects from concept to launch, including a 70-episode series that was featured in *The New Yorker* and *Le Monde* and 40+ short films that have screened internationally
- Led teams of 10+ in high-pressure on-set environments, devising individualized strategies to communicate clearly and effectively with each team member
- Created polished finished products by patiently refining performance, cinematography and editing with minute precision, averaging 8+ rehearsals per shot and 5+ full cuts per film

PORTFOLIO HIGHLIGHTS

Full-Stack Software Engineer	Triolingo	New York, NY <i>October 2023</i>
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- Generated immediate user impact by propelling the product from initial concept to first launch in < 24 hours
- Transformed scalability and extensibility by using SOLID design principles to distribute the game logic among 25 simple, reusable React components and 8 custom hooks and TypeScript helper functions
- Delivered a > 89% reduction in main component length in a single week by spearheading a thorough streamlining, refactoring and restructuring process

Full-Stack Software Engineer	Open Editions	New York, NY <i>September 2023</i>
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- Orchestrated site expansion by making the 10 customized style and content data points entirely dependent on a JavaScript object so as to achieve full reusability for the React audiobook component
- 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 <i>August 2014 - June 2018</i>
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GPA: 3.88 — *cum laude, with distinction*

- Mastered JavaScript, HTML, CSS, C, SQL, and Data Structures and Algorithms
- Independently trained self in Swift by taking a video-editing iOS app from ideation to completion in under 3 weeks
- One of only 20 students out of 500+ with a project selected to be featured in CS50 year-end course showcase video