Scott Ries

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Brooklyn, New York

Software Engineer

Full Stack | Web Applications | Testing | Accessibility

I am a collaborative and self-driven professional with over 6 years of experience, versed in web development from CSS to CI/CD. I think my work should add to the common good and be a pleasure to use, whether as an intuitive, accessible frontend for the end user, or as legible, well-tested code for fellow engineers. I enjoy bringing the inventions of designers to life as much as iterating on improving developer experience, and solving difficult technical problems in new domains as much as leveraging the benefits of well-established standards.

Education

App Academy | Graduate

Intensive CS and engineering course on algorithms, object-oriented programming, React, Ruby on Rails

SUNY at Buffalo | Master of Fine Arts Media Arts Production

Thesis: 7-hour algorithmic video using ffmpeg, PureData, Processing, with 70-page written defense

University of Utah | Bachelor of Arts English, Film Studies (dual major)

Professional Experience

Level III Software Engineer | TrussWorks San Francisco, CA (Remote)   02/2022 to 09/2023

Analyzed requirements and estimated LoE in close collaboration with product and delivery on a multimillion-dollar Department of Defense contract. Independently designed and implemented features, consistently delivering on-time solutions individually and on an agile team. Prototyped React-based UIs in Storybook from Figma comps, styled with CSS modules. Routed pages with React Router. Built forms with complex Yup validations, called the API via React Query. Built API endpoints with Swagger. Wrote business logic handlers, service objects, and models in Golang. Developed unit, integration, and end-to-end tests in the full stack to ensure application reliability. Migrated safe and accurate updates to 40,000+ critical records. Produced video documentation to aid in acceptance testing. Reviewed dozens of Github pull requests to ensure code cleanliness and adherence to best practices. Strategized pragmatic improvements for product health, including bug reporting, posting CircleCI errors back to GitHub pull requests, scaffolding and migrating improvements to test factories, and streamlining AWS log searching.

Created documentation to ease onboarding and promote engineering coherence and understanding. Deployed and fixed deployments to multiple environments. Handled high-pressure on-call requests in direct contact with client representatives, strengthening client relations. Updated dependencies affecting over 40 engineers. Presented feature work to 100+ government stakeholders. Evangelized, built tools, and engineered fixes for 508/WCAG2.1AA compliance on 3 applications, including for the Department of Energy. Strengthened pairing among engineers by 20%, enabling cohesive team collaboration.

Senior Developer | Reflexions New York, NY   07/2018 to 12/2021

Managed ~20 web applications simultaneously, primarily as the sole developer on each. Weighed clients' small budgets against requirements, design, timelines, and best practices to make recommendations toward feature development. Wrote pixel-perfect templates in CSS and numerous frameworks that maximized client flexibility and maintainability while respecting design integrity. Designed and prototyped loosely-defined web animations for senior design approval when InVision and Sketch lacked the capability to mock them. Architected and built Housing Works' Intranet, a visually rich, responsive application that around 1000 volunteers and employees use daily to manage internal communication and forms. Integrated Housing Works' existing user base into a user-friendly backend. Engineered a plugin that eagerly translated new and existing, editable text content on Housing Works' Healthcare site to Spanish, providing information and access to countless potential users. Planned, advocated for, and converted Governors Island's 5 event types into one, allowing the client to manage complex events, exhibitions, activities, etc., efficiently and intuitively. Handled secure, compliant money transfer using Stripe, Square, and Authorize.net. Migrated the James Beard Foundation's database of restaurants, chefs, and awards annually. Designed the data structure and built a multi-page form for an application system for the Langeloth Foundation, integrating Craft, Vue, and Salesforce. Set code standards, mentored engineers, and developed Salesforce workflows to build well-styled PDF and email generators for Langeloth's complex data-keeping and notification requirements. Ushered forward a long-dormant rebuild for Melville House, coordinating with the Penguin Random House API. Internal projects included ImageMagick-backed emoji generator butmakeit.party, and a weather plugin with OpenWeather API.

Developer | Familiar Studio New York, NY   03/2017 to 05/2018

Constructed intricate UIs, with customized maps, e-commerce, and calendars for numerous nonprofits and arts organizations. Improved visibility of user engagement with Google Tag Manager and Analytics. Developed an image-editing application for the National Latina Institute using Processing.js.

Frontend Engineer | Motivate, New York, NY   08/2016 to 12/2016

Migrated responsive redesigns for CitiBike and other major bike-share websites on a contract.

Technical Expertise

HTML/CSS/JS | CSS Preprocessors (LESS/SASS/SCSS) | JS frameworks (React/Vue/Angular) | **Golang**
E2E testing (Playwright/Cypress) | **Docker** | **AWS** | Package management (npm/Composer/Homebrew)
Python | CLI (bash, zsh) | OSX/Windows/Linux | Version control (Git/GitHub) | **Webpack** | **SQL**
MySQL/Postgres | **PHP** | Accessibility Standards | Salesforce (Apex) | **CI/CD** | **Node** | Ruby on Rails