

Tristan Onfroy | Software Engineer | Los Angeles

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TECHNICAL SKILLS

Frontend: React, Redux, NextJS, Typescript, JavaScript (ES6+), Webpack, Authentication, Tailwind CSS, CSS, OOP

Backend: Node.js, Express, SQL, NoSQL, GraphQL, Apollo, RESTful APIs, VS Code API

Tools: AWS (S3, CloudFront, Route53), Docker, CI/CD (Github Actions, Travis CI), Jest, Cypress, Mocha

Experience

SurfQL

Software Engineer (March 2022 - Present)

- Developed and tested scalable full-stack GraphQL apps with Apollo, ensuring recognition of various query implementations for wide community adoption.
- Built a high-performance static companion site with NextJS, optimizing images and leveraging server-side rendering for improved indexability and user engagement.
- Configured AWS S3 highly scalable bucket storage along with Route 53 domain registration utilizing the integrated health checking and data protection to deploy the companion website.
- Leveraged VS Code's Extension API to build a code completion tool-tip that traverses a GraphQL schema to autofill queries based on user input, making it simple for front-end developers to efficiently write queries within the VS Code IDE.
- Boosted productivity for front-end developers by innovating schema visualization with VS Code Webview API, rendering typed schema data as HTML content for easy navigation and a 25% faster development cycle.
- Enhanced codebase stability and scalability by enforcing static typing with TypeScript custom types and interfaces, reducing errors and boosting readability for efficient maintenance and development.
- Utilized Tailwind CSS in order to gain granular control of styled components, maintain responsiveness, and reduce the bundle size of the application by using purge optimization.
- Developed product through tech accelerator, OS Labs, in an Agile work environment, leading and participating in scrum ceremonies, conducting daily PR reviews, and pair-programming with teammates.

Society6

Web Developer (February 2021 - February 2023)

- Collaborated with Senior Engineers on website performance by optimizing layout and HTML for all pages using React. Achieved higher conversion rates and increased traffic, enhancing user experience.
- Contributed to the overhaul of the Product list page, Product page, shopping cart, and checkout to improve slow landing page loads. Documented improvements and achieved 40%-70% faster load times.
- Conducted thorough testing on product features in staging environment, providing invaluable insights into the usability and maintainability of client-side UX/UI components.

Technical Analyst (September 2018 - February 2021)

- Provided expert advice to tech teams based on client feedback to optimize UX and minimize feature rollbacks, significantly boosting user satisfaction.
- Streamlined integration of multiple software tools by QA testing and optimizing conversion.

Open Source

ParQ | *Web Application for hosting/booking parking spaces*

- Utilized React Router for efficient component traversal of the SPA, enabling a seamless user experience with minimal page refreshes while users book and host parking spots.
- Organized server-side application into a scalable Model-View-Controller architecture using Express.js, delivering a secure RESTful service with custom middleware flow for 30% faster user activity routing.
- Designed and implemented MongoDB to combine various data types, provide rich indexing features and persist user data across application sessions, envisioning future horizontal scalability.

HomeGrub | *Online Marketplace for sourcing homemade meals*

- Integrated Stripe API for checkout, processing payments on server endpoint without off-site redirection.
- Used Jest and Supertest for TDD on server-side routes and React components.
- Optimized SQL database for scalability, efficiency, and user information storage with concurrent connections.

Education

- **Suffolk County Community College** | A.A.
- **Codesmith** | Advanced Software Engineering Residency

Talks / Articles

- **Storybook.js** | *Jeeny & Bracelet Speaker Series*
- **Introducing, SurfQL** | Medium Article

Interests | Photography | Travel | Basketball | Fitness | Gaming | Personal Development | Tech Publications | Cycling