NICHOLAS RAY

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EXPERIENCE

Senior Software Engineer	NRAY LLC	June 2023 - Present

- Founded and managed a profitable pet care business with a loyal client base, leveraging JavaScript, TypeScript, React.js, HTML, and CSS

Senior Software Engineer	Wikipedia	July 2018 – June 2023

- Co-developed Wikipedia's 2023 redesign, achieving over 10 billion monthly page views
- [Authored over 500 public commits](#) for open-source projects
- Reduced bugs and tedious manual QA by building a visual regression tool, adopted by multiple teams
- Awarded "Web Performance Hero" for going above and beyond to improve rendering performance
- [Reduced mobile site's total blocking time](#) by ~300ms on low-end devices visiting long articles
- Accelerated decision-making by developing a CLI tool to evaluate performance impact of potential features
- Increased number of searches by 30% by helping develop a new typeahead search component
- Boosted section navigation by 50% by co-developing a new table of contents with scroll state
- Decreased scrolling to top of page by 16% by helping implement a sticky header with editor tools
- Eliminated layout shifts that occurred when lazy loading/client-side rendering components
- Assessed performance impact of features by writing comparative synthetic performance tests
- Minimized performance regressions of search component by implementing synthetic test telemetry to measure rendering performance
- Optimized desktop site's readability, accessibility, and performance by developing a new limited-width layout
- Developed a take-home coding exercise for evaluating software engineer candidates, used by multiple teams
- Provided mentorship to a new engineer through weekly meetings over an eight-month period
- **Skills and technologies**: TypeScript, JavaScript, Jest, HTML, CSS, LESS, Docker, PHP, Node.js, Puppeteer, Vue.js

Software Engineer	UpWell	August 2014 – April 2018

- Saved over $100,000 / year and improved stability of business-critical services by leading a migration process from Pivotal Cloud Foundry to AWS Elastic Container Service platform
- Expanded business capabilities by engineering a multithreaded shipment service with a REST API
- Improved stability and code quality of a React.js single-page application that utilized server-sent events
- **Skills and technologies**: React.js, JavaScript, HTML, CSS, Docker, PHP, Java, Ruby, Kotlin, Go, AWS, Git

SOFTWARE PROJECTS

- **nray.dev** (2022 - Present). Developed a technical blog using TypeScript, React.js, Astro.js, and Tailwind CSS where I write about front-end development

EDUCATION

Eugene, OR	University of Oregon	September 2012

- Bachelor of Science. GPA: 4.02
- Summa cum laude. Phi Beta Kappa

LANGUAGES AND TECHNOLOGIES

- JavaScript, React.js, TypeScript, Node.js, Jest, HTML, CSS, Git, Docker, SQL, Next.js, Astro.js, Radix, Tailwind CSS