NICHOLAS RAY

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EXPERIENCE

Senior Software Engineer **Horrocks** **August 2024 - Present**
- Increased production server uptime by identifying and resolving the root cause of hourly 502 errors
- Introduced automated unit and E2E testing, resulting in an increase in unit test coverage from 0% to 58%
- **Skills and technologies**: React, TypeScript, GraphQL, Node, Express, Docker, Jest, HTML, CSS, AWS

Senior Software Engineer **Wikipedia** **July 2018 – June 2023**
- Co-developed Wikipedia's 2023 redesign, achieving over 10 billion monthly page views
- Authored over 500 commits to core open-source projects powering Wikipedia
- 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 search component performance regressions by implementing synthetic test telemetry
- Optimized desktop site's readability, accessibility, and performance by developing a new limited-width layout
- Developed take-home coding exercise for evaluating software engineer candidates, used by multiple teams
- Mentored new engineer through weekly meetings over an eight-month period
- **Skills and technologies**: TypeScript, JavaScript, Jest, HTML, CSS, LESS, Docker, PHP, Node, Puppeteer, Vue

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
- **Skills and technologies**: React, JavaScript, HTML, CSS, Docker, PHP, Java, Ruby, Kotlin, Go, AWS, Git

SOFTWARE PROJECTS

- **nray.dev** (2022 - Present). Developed a technical blog using TypeScript, React, Astro.js, and Tailwind CSS where I write about front-end development; one article was featured at the top of Hacker News

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, TypeScript, Node, Jest, HTML, CSS, Git, Docker, SQL, Next.js, Tailwind CSS