Nicholas Ray

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EXPERIENCE

Senior Software Engineer June 2023 – Present
NRAY LLC *Salt Lake City, UT*
- Started profitable business, developed online platform using JavaScript, TypeScript, React.js, HTML, CSS

Senior Software Engineer July 2018 – June 2023
Wikipedia *Remote*
- Co-developed Wikipedia's 2023 redesign, achieving over 10 billion monthly page views
- Authored over 500 commits to core open-source projects powering Wikipedia
- Awarded "Web Performance Hero" for going above and beyond to improve rendering performance
- Reduced total blocking time by ~300ms on low-end mobile 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
- Improved editing workflows for Wikipedia's mobile site
- Empowered new engineers to push to production within their first week by creating a "quick start" repo
- Mentored new engineer through weekly meetings, pair programming, and code reviews

Software Engineer August 2014 – April 2018
UpWell *Salt Lake City, UT*
- 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 RESTful API
- Improved stability and code quality of a React.js single-page application that utilized server-sent events

PROJECTS

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

landingconvert.com | *NextJS, TypeScript, React, TailwindCSS* Sept. 2023 – Present
- Single-page application (SPA) directory using component-based architecture. Developed custom scraper written in Node.js to extract metadata and take full-page screenshots of websites from a list of URLs.

EDUCATION

University of Oregon Eugene, OR
Bachelor of Science. GPA 4.02. Summa cum laude. *Sept. 2012*

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Node.js, PHP, SQL, HTML, CSS
Frameworks/Libraries: React, Express.js, TailwindCSS, NextJS, Astro
Developer Tools: Git, Docker, GitHub, VS Code