Nicholas Ray
Senior Software Engineer

Nicholas Ray
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Experience

Wikipedia (Wikimedia Foundation)
Senior Software Engineer | March 2021 - PRESENT, Salt Lake City, UT (Remote)
Software Engineer III | July 2020 - PRESENT, Salt Lake City, UT (Remote)
Software Engineer | July 2018 - July 2020, Salt Lake City, UT (Remote)

- Developed a visual regression tool that is used each week to catch UI bugs before users see them and increase confidence in releases to production.
- Improved the desktop search experience by developing a new typeahead search component written in Vue.js and TypeScript. Increased the component's robustness by implementing synthetic test telemetry to automatically measure the search component's rendering performance.
- Optimized article readability, accessibility, and perceived performance by developing a new layout for the desktop site which heavily refactored the DOM and featured an optimal line length for reading. The new layout was one of the most dramatic visual changes to the desktop site in over a decade!
- Fixed critical bugs and improved the code quality across the mobile and desktop sites.
- **Skills and technologies:** JavaScript, Node.js, Vue.js, Jest, HTML, CSS, LESS, PHP, Docker

UpWell (formerly Alliance Health) / Software Engineer
August 2014 - April 2018, Salt Lake City, UT

- Engineered a multithreaded shipment service using Java that emits RabbitMQ messages with each new shipment and is backed by a RESTful API.
- Led a migration process to move apps from the PCF platform to the ECS platform which resulted in a savings of over $100,000 / year and improved stability.
- **Skills and technologies**: JavaScript, Java, Ruby, Kotlin, Go, React.js, PHP

Side Projects

nray.dev / www.nray.dev
Source code: https://github.com/nicholasray/nray.dev

2022 - PRESENT

Designed and developed my portfolio site which features a technical blog about frontend development.

Education

University of Oregon / Bachelor of Science (Pre-med curriculum)
September 2012, Eugene, OR

- Graduated summa cum laude (top 2%). Member of Phi Beta Kappa Society.
- GPA: 4.02