

Nicholas Ray

Senior Software Engineer

Salt Lake City, UT 84105

<https://www.nray.dev>

nray@nray.dev

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 was used each week to catch UI bugs before users saw them and increased confidence in releases to production.
- Built performant [section bolding functionality](#) for a new table of contents on the desktop site.
- 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 performance of the desktop site by developing a [new layout](#) which heavily reorganized the DOM and optimized the line length for easier 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