

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)

- Reduced visual regressions and increased confidence in production releases by building a [visual regression tool](#) used to catch UI bugs before end users see them.
- 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.

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.
- Added and refactored numerous features in Ruby, Kotlin, Go, ReactJs, and PHP applications.

Side Projects

[nray.dev](#) / www.nray.dev

Source code: <https://github.com/nicholasray/nray.dev>

2022 - PRESENT

- Using Next.js and React, I designed and built my portfolio site which features a technical blog.

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