Kyle Holmberg

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Skills

JavaScript, TypeScript, HTML, CSS, Python, SQL, React, Redux, Vue, Vuex, Cypress, Jest, Mocha, Storybook, Lerna, Webpack, Rollup, Node, Express, Apollo Client, SWR, Docker, Gulp, GitHub Actions, CircleCI

Experience

Senior Software Engineer @ Air (Jun 2020 – present)
- Improved application build-time by ~70% from 13 minutes to 3 minutes.
- Created open source monorepo, housing reusable component library, utility functions, and shared tool configurations.
- Converted hybrid CRA-Gatsby application into a Next.js project and spoke about it at Next.js Conf 2020.

Senior Software Engineer @ Acorns (Jul 2019 – Jun 2020)
- Helped reduce load time of "Found Money" page from an average of 9.5 seconds to 4 seconds.
- Eliminated manual release cycle for 7 libraries, saving an average of 10 minutes work per version, per library.
- Created a design-to-dev funnel for icons where SVGs were optimized and then converted to React components, PNGs, and PDFs for all clients to use.

Senior Front-End Engineer @ Nike [Contract] (Mar 2019 – Jul 2019)
- Removed Redux Thunks in favor of proper caching layer on nike.com/orders leading to dozens of fewer re-renders and reducing time-to-interactive from 4 to 1.1 seconds.
- Defined and documented best practices for testing and created a linting configuration for 3 front-end teams. (link)

Front-End Engineer @ AutoGravity (Jan 2018 – Jan 2019)
- Reduced flagship application bundle by 40kb (4%) via refactoring component abstractions.
- Architected data model for Contentful CMS integration.
- Reduced CI build-time from 15 to 10 minutes on average by using a multi-stage Dockerfile and declarative pipeline syntax in our Jenkinsfile (with parallelized steps).
- Mentored developers on concepts surrounding React, Redux, and CSS.

Developer Intern @ Laika (Jul 2017 – Oct 2017)
- Created an interactive map app with the ability to filter/search for people, equipment, and shoots.
- Wrote Python codemod for PyQt Maya extensions to get all company extensions from v4 to v5.

Full-Stack Web Developer @ Charter Communications [Contract] (Jun 2017 – Aug 2017)
- Transitioned MVC Django app with jQuery to a Vue.js SPA with Django REST Framework API.
- Created recursive tree navigation component. https://github.com/kylemh/recursive_vue_component

Software Engineer @ University of Oregon (Nov 2016 – Jul 2017)
- Promoted from QA Engineer to Software Engineer in May.
- Upgraded legacy Cordova application (using JavaScript/HTML/CSS) from version 3 to 7.

Open Source

- **OperationCode** – Front-end lead of non-profit working to get veterans into the tech industry.
- **Storybook** – Maintainer and contributor focusing on presets and webpack configuration.
- **Next.js** – Contributor focused on Next plugins and static export parity with server-rendering.
- **TSDX** – Creator of preset system and maintainer of Storybook preset.
- **RingoStarr** – Team lead for school project: a musically-activated dancing robot paired with an Arduino (C++) device.

Education

University of Oregon – Computer Science (2012-2017)