BENAIAH MISCHENKO

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Qualifications

- 13 years of professional remote web development experience.
- Self-directed, highly motivated, and able to rapidly onboard.
- Excellent at technical communication and API design; passionate about documentation.
- Practiced in coordinating development, both as an open-source maintainer and team lead.
- Contributes to open-source projects and publishes technical writing.

Experience

Staff Software Engineer - Ad Hoc—Remote   *August 2022 - November 2023*

- Led the engineering team building both the frontend and backend for a new open-source site for the Louisiana Department of Agriculture and Forestry.
- Comprehensively reviewed the development services available on the market, including web hosts, headless CMSs, code repository hosts, and others, and built a pricing explorer tool in React to interactively compare their costs and features.
- Delivered the site on time and under budget using modern technologies and services including Svelte, SvelteKit, GraphQL, TypeScript, Jest, NodeJS, Contentful, and Vercel.
- Used automated tools, both those provided by Vercel and custom ones developed by us, to continually improve the speed of the site and prevent regressions by measuring quantifiable performance characteristics for each change. At launch time performance measurements were 90-100 out of 100 on all of our primary site performance indicators.
- Focused on bundle size, compatibility with older devices and browsers, and runtime performance characteristics to deliver a site that runs quickly even on low powered devices and older software.
- Regularly audited the site and changes to it to ensure that they were accessible to as many users as possible, using tools including manual screenreader review, automated CI tooling, and WCAG color contrast checkers.

Developer - Netlify—Remote   *April 2017 - October 2021*

- As a full-time developer of Netlify CMS (now Decap CMS), maintained and developed the open-source React-based headless CMS as it grew from ~1500 GitHub stars to over 8000 and from 10 contributors to 100, with corresponding growth in development activity and end users.
- Wrote the Netlify CMS integrations for GitLab, BitBucket, and Netlify Large Media.
- Worked on the transition of Netlify CMS from Javascript to TypeScript, including redesigning and refactoring code to be easier to work with in TypeScript.
- After transitioning to a backend role in 2020, maintained and added features to Netlify's build system, which is used by nearly all customers and runs millions of times a day. Development required coordinated changes in both the open-source Netlify Build project and various closed-source projects, which involved technologies including Docker, Kubernetes, Go, Node, and Ruby on Rails.

Developer - Alpha Media, LLC—Portland, OR *April 2016 - November 2016*

- Worked on platform that ran nearly 200 distinct radio station websites.
- Rebuilt code deployment system to eliminate downtime while upgrading and massively reduce server resources required to update sites.
- Built backend and admin functionality of a regional business listings website.
- Eliminated server-side processing of certain frontend web requests by writing a Go microservice, reducing production server load by 15%.

Software Consultant—Remote *May 2015 - April 2016*

Programmer - Effective Web Solutions—Washougal, WA *August-November 2014*

Software Consultant—Remote *2011-2014*