

Cameron MacDonald // cdmacdonald@proton.me

Software developer that likes making things for all sorts of people, regardless of ability; technical, physical or otherwise.

Quick Glance

- Front-end developer with design, accessibility expertise, full-stack experience
- HTML, CSS, JavaScript, TypeScript, React, Node, Express, LESS, Sass, PostCSS, Webpack, Vite
- Git, Jira, Agile, Scrum, Accessibility Testing
- Sketch, Figma, Adobe Creative Suite
- UX Certification from Nielsen Norman Group
- Extensive design systems experience
- Certified accessibility professional and advocate

Experience

Sr. Software Engineer – Ameriprise Financial

Sep 2021 – Present

- Delivered dozens of accessibility improvements to comply with WCAG 2.2 AA (*React, HTML/CSS/JS*)
- Delivered multi-phase enterprise brand redesign in design system in under one year, touching almost every component and variant in the system (80+)
- Refactored codebase to utilize LESS CSS preprocessor, eliminated dozens of obsolete dependencies
- Upgraded CI/CD to allow for faster, more agile release schedule (*Jenkins, Docker, Artifactory*)
- Converted and refactored monolithic repository into monorepo for better separation of concerns, which improved code review timelines substantially
- Set technical direction for design system, communicated decisions to wider department
- Serve as accessibility subject matter expert within larger UX team and department
- Maintain documentation site for design system (*Express, Handlebars, Markdown*)
- Technical team lead and mentor to colleagues on a team of 3 engineers
- Host office hours 3 times a week to support product designers and engineers

UI Developer – Hamm Interactive / Ameriprise Financial (Contract)

Feb 2020 – Sep 2021

- Refactored annual report web application, reducing custom CSS from several hundred lines to less than 100
 - Improved accessibility by providing appropriate captions and alt text for visual information, enhancing user experience for diverse audiences
 - Enhanced semantic HTML to improve readability of tabular data for screen readers
- Conducted comprehensive accessibility audit, leading to a 12 point (17%) improvement on automated scan results, significantly enhancing experience for users with disabilities

Full Stack Developer – UnitedHealth Group / Optum

Jan 2018 – Jan 2020

- Automated project data collation and organization through a Flask app to cut down manual processing time from over 2 days to approximately 10 seconds.

Skills

- HTML
- CSS
- PostCSS
- Sass
- JavaScript / TypeScript
- React / Next.js
- ESLint
- Markdown / MDX
- REST APIs
- Jest
- Mocha
- Node.js
- Express
- Handlebars
- Storybook
- Stencil.js
- Gulp
- Python
- Prototyping
- Semantic Version Control, Git
- WCAG 2.2
- WAI-ARIA
- Web Accessibility (W3C)
- Usability Testing
- NVDA
- VoiceOver
- Lighthouse
- WAVE
- Axe
- Sketch
- Figma
- Figma Plugin API
- Figma REST API
- Design Systems
- User Experience Design
- Adobe Creative Suite
- Agile
- Scrum
- Slack
- Jira
- Bitbucket
- Confluence
- Microsoft Office
- Microsoft Teams
- Mentorship
- Cross-Team Collaboration
- Technical Writing & Communication
- Technical Leadership
- Inclusive Design
- Reusable Components

Personal Work

[Proton to KeePass](#) – Convert encrypted Proton Pass exports to KeePass databases

[postcss-hocus-pocus](#) – Small extension for PostCSS to provide shorthand for :hover/:focus/:active selectors

Certifications

[Certified Professional in Accessibility Core Competencies](#)

[NN/g UX Certified](#) (1055208)

[UserZoom Certified](#)

Education

B.A. Computer Science – Gustavus Adolphus College