

Arlo Adams

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Experience

Developer, Moxie Sozo – Boulder, CO

Mar 2022 – Present

- Led the development of an embeddable location-based product filter widget (Vue, PHP) for a major product launch by integrating the Vue-based front-end with the Google Maps API, a custom PHP backend and a MySQL database
- Developed Moxie Sozo's rebranded 2024 website (JavaScript, SCSS, HTML, HubSpot), resulting in a notable surge of client inquiries and lead generation
- Utilized WebGL shaders (JavaScript, GLSL) to apply various visual effects including raindrops, snow, and smoke based on real-time weather information from the OpenWeather API
- Audited websites and applications for performance and accessibility, improving Google Lighthouse scores from less than 40 to 95+ for multiple clients
- Extensively worked with a diverse range of JavaScript frameworks, including Vue and React, in addition to eCommerce and content management systems like Shopify and WordPress to build highly dynamic award winning websites
- Developed internal projects with ThreeJS and WebGL Shaders, showcased them to management, and ultimately expanded the agencies skill set and service offerings

Software Engineer, Freelance – Denver, CO

June 2018 – Mar 2022

- Developed a real-time interactive concert program (Vue, Node.js, WebSockets), increasing engagement with audience members and enhancing their awareness of the music being performed
- Developed a custom slideshow and media player (JavaScript, Electron) for use as the background of live shows and performances, enabling real-time synchronization of media with the performers' actions on stage
- Developed a "synchronized timer" (React, Node.js) using WebSockets allowing musicians to stay in sync during remote performances, even across video platforms like Zoom and Google Meet
- Designed and developed custom Shopify, WordPress and Webflow sites and themes (PHP, JavaScript, SCSS, HTML)

Projects

Metronome

arlocodes.com/metronome

- Developed an easy-to-use, ad-free and reliable online metronome (React) for music students and teachers to use
- Utilized the Web Workers API to achieve accurate, multi-threaded timing in JavaScript, significantly increasing the accuracy of the metronome over single-threaded alternatives

Disc Golf Scorecard

arlocodes.com/disc-golf-scorecard

- Developed an online platform (Vue) for disc golfers to track their scores during a round of disc golf
- Integrated Firebase's Firestore Database (NoSQL) and authentication allowing users log in, view, and save their scores

Flash Cards

arlocodes.com/flash-cards

- Developed an app (React, Firebase) allowing users to easily create, study and share flashcards
- Built a highly interactive, custom React carousel component that enhanced user experience (UX) and functionality

Education

University of Denver – Bachelor of Music in Violin Performance

Skills

Languages: JavaScript, PHP, SQL, C#, HTML, CSS, SASS (SCSS), GLSL, Python

Technologies: React, Vue, TypeScript, Node.js, Three.js, Electron, Apache, Nginx, Shopify, WordPress, Firebase, React Native, MongoDB, MySQL, Vite, Webpack, Parcel, Unity, Webflow, Figma