

Colin Hemphill

Front End Engineer

About Me

I have worked in professional web development since 2013, and specialize in front end technologies like React. I strive to build beautiful, accessible, functional, and performant applications that make the web a friendly and enjoyable experience for everyone.

Contact Information

Location: Austin, TX

Skills & Expertise

★★★ Proficient

JavaScript, TypeScript, React 19, Next.js, Server Components, State Management (Redux, Jotai, Zustand, Context API), Tailwind CSS, CSS/SASS, Bundlers (Webpack, ESBuild, Vite), Unit Testing (Jest, Testing Library), Monorepos, Semantic HTML, Web Accessibility (A11y, WCAG, ARIA), Vercel, Netlify, Node.js, API Design and Integration, MongoDB, Git, A/B Testing (Optimizely), Audio Engineering, Ableton Live, Public Speaking, Podcast Hosting and Production

★★ Comfortable

React Native, Browser Extensions, Twitch Extensions, GraphQL, Animations (Motion One, Framer, Spring, Anime.js), Integration and E2E Testing (Cypress, Selenium, Playwright), Websockets, Angular, Vue.js, Adobe CC (Photoshop, Illustrator, Premiere), Affinity Suite

★ Familiar

PostgreSQL, Java, Python, Go, AWS, Dev Ops, DigitalOcean, Redis, C++, JUCE, Unity

Professional Experience

Bitly

Staff Software Engineer Jun 2024—Current

Senior Front End Engineer Jun 2022—Aug 2024

At Bitly I work with the Link Experience team on our flagship link shortener product and QR Codes. As staff engineer with a front end focus, I'm responsible for driving decisions related to code health and new features on the React application that users rely on to create and manage their links and view engagement analytics. My role is cross-functional across the tech stack and across engineering as a whole, where I've helped lead several large-scale architectural initiatives to modernize systems and improve developer experience.

The Zebra

Senior Software Engineer Jan 2021—May 2022

Front End Engineer II Feb 2019—Jan 2021

At The Zebra, I created front end applications in React and TypeScript within the Simplicity objective. I was responsible for implementing designs, building new features, and making continual improvements to a number of experiences, but primarily to the core funnel product. We focused on strict accessibility standards, performance, A/B testing, and maximizing conversions, while maintaining a user experience that makes the complex task of comparing insurance rates fast and simple. I was often responsible for leading tech initiatives, mentoring developers, and running the front end guild meetings. Some of my outstanding accomplishments include leading a complete rebuild of the core funnel application in Next.js, deprecating a legacy mobile web app in favor of new adaptive designs, moving the organization to TypeScript, and several major vendor integrations.

Giftnix

Full Stack Developer Apr 2015—Feb 2019

At Giftnix, I was lead engineer for a custom e-commerce platform designed for the purchase and instant delivery of digital gift cards. I also built and managed the internal admin and customer service systems for gift card orders and fraud mitigation efforts.

Novation Mobile

Full Stack Developer Aug 2013—Apr 2015

I worked directly with clients to build powerful, highly customized, real-time web applications from the ground up, then maintained and improved those applications as the clients grew.

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Achievements

B.S. in Audio Engineering

 Belmont University

I worked with professional engineers and producers in the recording industry, and trained in several world-class recording studios such as the Historic RCA Studio B and Ocean Way Nashville.

B.S. in Computer Science

 Belmont University

My coursework included Java programming, Programming Languages, Data and File Structures, Operating Systems, Computer Organization, Discrete Mathematics, Combinatorics, Graph Theory, Artificial Intelligence, and others. As part of the Honors program, I also completed a final thesis titled *Applications of Audio Analysis Algorithms Using Discrete Fourier Transforms*.

Hobbies & Interests

Most of my free time is spent creating music! I enjoy many elements of performance and production, and I play the guitar, piano, and drums. My professional training in audio engineering and my access to a well-equipped home studio leads to top quality audio and video production for music, podcasting, live streaming on Twitch, demo videos, and even video calls.

Additionally, I enjoy tabletop gaming, video games, travel, and podcasting. My wife and I host an anime podcast called The AniMonday Podcast.

On the side, I designed, created, and continue to maintain the following websites: dotdotdarknessmusic.com, animonday.moe. My anime randomizer called [Randime](#) maintains about 5,000 visitors each month.