

David J. Ballowe

Software Engineer

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TECHNOLOGIES AND LANGUAGES

JavaScript | TypeScript | React | Next.js | HTML5 | CSS3/SCSS | Node.js | Express.js | Firebase
Mongo db | Git | Vercel | Google Cloud | Photoshop | REST API | CI/CD | Lambda | Electron

PROFESSIONAL EXPERIENCE

Full Stack Engineer

2022 – present

Live Current Media

- Collaborated alongside engineering team to re-architect new and existing features utilizing full stack technologies focused on handling video streaming in cross-platform electron app.
- Headed integration of newly acquired company asset "neverthink" from inception to full release within specified time frame.
- Improved processes of sites main "Discover" page when relaying information from active stream sessions with WebSockets.
- Diagnosed performance issues of applications AWS Lambda architecture and provided suggestions for Docker and Kubernetes deployment.
- Worked closely with the UI UX team to create front end React components directly from Figma mock-ups and offer design suggestions.
- Modernized applications streamer to viewer synchronization enabling seamless real time video sharing across sessions.
- Optimized applications party search feature with Elasticsearch.

Media Production Lead

2019 – 2022

MillerPhoto

- Lead the production of marketing content for 300+ clients across the real estate industry including designing listing websites, still imagery, video, and drone services
- Worked with the media team to capitalize on market shifts leading to the company's highest grossing year in 2021.

PROJECTS

ZAWN

2022

Full Stack E-Commerce Site

Live: zawnshop.com 🌐 Repo: github.com/djballowe/ZAWN 🌐

- Engineered ReactJS to maximize the website's speed and responsiveness by utilizing React Router to build a single page web application
- Implemented Firebase authentication SDK for a secure user sign in process
- Users can perform CRUD actions to store addresses for a streamlined checkout process
- Order details and user information stored with Firebase
- Configured serverless cloud function with Node and Express to access the Stripe API allowing for a secure payment at checkout and ensuring scalability.
- Configured CI/CD pipeline with Google Cloud Build for deployment to Firebase hosting

Mozilla Hubs

2022 – present

Open Source Contributor

Live: hubs.mozilla.com 🌐 Repo: github.com/mozilla 🌐 Article: [Mozilla Hubs](#) 🌐

- Collaborated alongside the community manager at Mozilla to engineer a screen record feature into hubs virtual meeting space
- Engineered the logic with React hooks to define a record mode state which toggles a minimal UI designed for "camera operators" in a hub world to record meetings and events.

EDUCATION

Bachelor of Science in Environmental Science

2014 – 2018

Chico State University