

# David J. Ballowe

## Software Engineer

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### Technologies and Languages

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JavaScript | Python | TypeScript | React | Next.js | HTML5 | CSS3/SCSS | Node.js | Firebase | Mongo db | Git  
Vercel | REST API | GraphQL | CI/CD | Lambda | Electron | Redux | SQL | AWS | Linux | Rest API  
PostgreSQL | SOAP | DynamoDB | Websockets | Docker | Github Actions | Agile

### Professional Experience

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#### Full Stack Engineer

October 2022 – present

Live Current Media

- Collaborated alongside engineering team to architect new and existing features into real time video streaming, cross-platform electron application.
- Headed integration of newly acquired company asset "neverthink" from inception to full release into existing Node.js back-end and front facing React UI.
- Improved processes of sites main "Discover" page when relaying information from active stream sessions with WebSockets resulting in 70% faster response times.
- 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 increasing user retention and average on page time.
- Optimized applications party search feature with Elasticsearch.

#### Lead Organizer and Speaker

March 2022 – present

Free Code Camp Sacramento

- Organize in person and virtual meetings for passionate developers across the greater Sacramento area with over 1,000 members
- Led speaker at bi-weekly meetings where we discuss projects, news, and various tech related topics from a variety of skill ranges

#### Media Production Lead

September 2019 – September 2022

MillerPhoto

- Led 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

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#### Mozilla

2022 – present

Open Source Contributor

Live: [hubs.mozilla.com](https://hubs.mozilla.com) 📄 Repo: [github.com/mozilla](https://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.

#### ZAWN

2022

Full Stack E-Commerce Site

Live: [zawnshop.com](https://zawnshop.com) 📄 Repo: [github.com/djballowe/ZAWN](https://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

### Education

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#### Bachelor of Science in Environmental Science

2014 – 2018

Chico State University