

# Chad O'Brien

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## Summary

Driven full stack developer with expertise in creating beautiful, intuitive user interfaces and experiences using React, Node, and Typescript. A proponent of accessibility and performance, with experience in modern CSS and web APIs. Skilled in eliminating tech debt and maintaining elegant code, with a QA-minded approach to testing and code review. A continuous learner, experienced in migrations and implementing cutting-edge technologies to drive productivity and improve user experience.

## Skills

- Detail oriented
- Strong communicator
- UXR, UX/UI Design
- JavaScript, Typescript
- React, Node
- Redux Toolkit
- Git
- AWS, Serverless
- MySQL and NoSQL
- Jest, Enzyme
- Figma
- Adobe Creative Suite

## Selected Projects

### My Digital Portfolio (<https://chado.dev>)

Built with React using original components. Features include a serverless contact form, dual-purpose section header/navigation, project slider, responsive layout, and color block design.

### Shows in Town (<https://chado.dev/shows-in-town>)

A web application that leverages open APIs and Puppeteer on a Node backend to scrape Louisville event calendars for upcoming live music shows and saves the details on AWS S3. The front end consumes that data to display a single, easy to navigate timeline built with React.

### Release Me | A Media Release Manager (<https://github.com/csobrien90/release-me>)

A JAM stack web application to help content capturers manage media release forms and acquire their subjects' digital signatures. React on the front end and serverless AWS Lambda functions with an API Gateway for the back end, built with Node, integrated with AWS DynamoDB and the HelloSign NodeJS SDK, and secured with a hand rolled JWT session authentication system.

## Professional Experience

### Web Developer II

November 2022 – Present

### Web Developer I

October 2021 – November 2022

Kentucky Educational Television

- Creates beautiful user interfaces and experiences, including for a brand new WooCommerce store that processes 100-200 orders per day; reimagines complex administrative tools to be enjoyable and intuitive to use
- Spearheads migration from jQuery to Typescript; updates outdated CSS using custom properties, flexbox and grid, and improving cross-browser and device compatibility;

refactors code into a component structure that consumes API data to render templated front-ends and builds Web Components for frequently used design system elements

- Introduced Headless WordPress and leads the shift to serverless functions; moved to cloud infrastructure (AWS) and retired legacy systems, improving scalability, system reliability, and security and reducing server costs by 30%
- Addresses accessibility issues to earn spotless BOIA audits; improves site security and performance, optimizing client vs. server-side rendering, reducing risk with tougher authentication, session, and validation practices, and adding tree shaking to reduce bundle sizes page load times
- Standardized commit and PR formats, introduced the team to automated unit and integration testing, and participates in the code review process; pays tech debt and maintains elegant code through a focus on robust error catching, handling, and logging as well as automated testing at build, resulting in fewer post-launch issues and more rapid ticket resolution
- Initiated rotating dedicated professional development time, culminating in weekly presentations on studied topics to the team; serves as contact point with other departments and external collaborators; participates in industry community by attending conferences, judging youth competitions in web design and development, and facilitating team contribution to open source projects

### **Freelance Web Developer**

*August 2019 – Present*

- Builds JAM stack websites using React, Node, Serverless functions, and NoSQL databases
- Customizes Shopify and WordPress themes for small businesses and nonprofits
- Conducts accessibility audits, addresses WCAG compliance issues, and advises for improved site performance and SEO
- Creates and manages public web applications, Node packages, browser extensions, and WordPress plugins; contributes to open source projects

### **Mentor - Web Development and UX Pathways**

*May 2022 – Present*

*Code Louisville*

### **Lecturer and Assistant to the Associate Dean**

*June 2019 – October 2021*

*University of Louisville School of Music*

## **Education**

### **Code Louisville**

**Louisville, KY**

*April 2021 - November 2021*

### **University of Louisville**

**Louisville, KY**

*Masters of Music in Jazz Performance and Instrumental Performance*

*August 2017 - May 2019*

### **University of Rochester - Eastman School of Music**

**Rochester, NY**

*Bachelor of Music in Music Education and Jazz Studies*

*August 2008 - December 2012*