JOHN HAMLIN

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SKILLS

JavaScript · TypeScript · Next.js · React · Redux · Tailwind CSS · HTML · CSS · Node.js · Express
React Native · Expo · PostgreSQL · MongoDB · Prisma · Apache Kafka · Python · Django
Docker · AWS · Azure · Git · GitHub Actions · React Testing Library · Webpack · Vite · JQuery

PROFESSIONAL EXPERIENCE

xkite | Software Engineer   2023

- Built with React to create a graphical frontend for Apache Kafka prototyping, testing and deployment. xkite lets developers spin up containerized Kafka clusters in minutes, run custom tests, and export their setup for deployment.
- Leveraged Next.js 13 to optimize page loading with server-side rendering and automatic code splitting. Used file-based page and API routing and built-in TypeScript support to speed up development and boost maintainability.
- Architected a Spring Boot microservice leveraging Java Management Extensions (JME) to expose an API for TypeScript components to access robust and scalable data about Kafka performance.
- Incorporated Redux into the xkite-core library for state management, establishing a unified codebase capable of effectively managing multiple asynchronous user requests and preventing any mutations within it.
- Used Docker to containerize the Kafka stack, minimizing user dependencies and streamlining cloud deployment.
- Integrated PostgreSQL and SQL databases to create streams of data for testing Kafka clusters.
- Incorporated Prometheus and Grafana for real-time monitoring and visualization of key Kafka health metrics.
- Used TypeScript to catch critical errors at build-time instead of run-time.
- Leveraged Jira to implement Agile methodologies and Scrum, coordinating a team of engineers to identify a gap in open-source software and develop solutions.

Wake County, Town of Clayton | Senior Communications Consultant   2015 – 2022

- Built and maintained websites for local governments, including N.C.'s largest county serving 1.1+ million residents.
- Led cross-functional teams of engineers to develop user-focused services and community outreach campaigns
- Administered 60+ social media accounts, managing teams, automating posts and analyzing performance.
- Built and maintained a networked tracking system for a 14-department performance management program.

OPEN SOURCE

ScrewTapp | Streaming Music App for iOS and Android   2023 - Present

- There were lots of apps to stream the live jam band shows on archive.org, but nothing to access the trove of more than 350 DJ Screw mixtapes. So I made one. Currently in alpha, but you can check out the code on my GitHub.
- Built with Expo and React Native for a cross-platform music streaming app that runs on iOS, Android and the web.
- Leveraged Expo Router for modern, file-based routing. I love the way file-based routing creates a logically organized code base, and Expo Router adds the benefits of deep linking in native apps and optimizes route fetching.
- Used Redux and RTK Query to fetch, cache and optimize re-fetching of data and music from the archive.org API.

EDUCATION

University of North Carolina at Chapel Hill | School of Journalism and Mass Communication   2012
Bachelor of Arts | Relevant Coursework: Java Programming, Mathematical Logic

ADDITIONAL PROFESSIONAL EXPERIENCE

Raleigh News & Observer, Statesville Record & Landmark | Newspaper Reporter   2012 – 2015

- Covered everything from the local Ham & Yam Festival to interviewing Donald Trump and U.S. representatives.

INTERESTS

Bar trivia champ · Hot sauce masochist · Twin dad · Crossword wizard · Reverse-searing grill master