

# JOHN HAMLIN

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## SKILLS

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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

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### 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

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### 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

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### 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

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### 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

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