JOHN HAMLIN

919-623-4441 · johnhamlin@gmail.com

Raleigh, N.C. · johnhaml.in · linkedin.com.in/hamlinjohn

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 speed up development and prevent bugs on a team working quickly and remotely.
- 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

- Used **JavaScript**, **HTML**, **CSS** and **Drupal** to build and maintain websites for governments serving 1.1+ million.
- Built **Power BI** and **Airtable** dashboards to connect stakeholders with real-time info during the COVID-19 pandemic.
- Deployed **Envirosuite** to forecast odor issues with real-time weather and odor data from the South Wake Landfill.
- Led cross-functional teams of engineers to develop user-focused services and community outreach campaigns.

OPEN SOURCE

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

- Built with **React Native** and **Expo** for a cross-platform music streaming app that runs on **iOS** and **Android**.
- Used **React Native Track Player** to build a streaming player that ties into native APIs on iOS and Android, including integration with media controls on the Lock Screen, Control Center and Dynamic Island.
- Created **Reanimated**- and **FlashList**-based components to perform animations at 60 fps at all times.
- Deployed **Redux** and **RTK Query** to fetch, cache and optimize re-fetching of data with minimal boilerplate.
- Stored state with **Redux Persist** in **MMKV** synchronous device storage to save and load app state between sessions.
- Leveraged **Expo Router** and **React Navigation** for file-based routing, deep linking and optimized route fetching.

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