

# RYAN FOX

## JUNIOR SOFTWARE DEVELOPER

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### SUMMARY

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Junior Software Developer with hands-on experience in full-stack web and mobile development using React, Next.js, TypeScript, and Express. Skilled in creating accessible, performant, and scalable applications. Recently completed a software engineering bootcamp, with additional self-led experience in Docker, AWS, and CI/CD pipelines. Looking to bring strong problem-solving and collaboration skills to a dynamic development team.

### TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript

**Frontend:** React, Next.js, React Native, Tailwind CSS

**Backend:** Node.js, Express, PostgreSQL, MongoDB

**Tools:** Git, Docker, CI/CD, AWS, NextAuth, Framer Motion

**Practices:** Agile, TDD, Pair Programming, WCAG 2.2 Compliance

### PROJECTS

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#### Gather - [Live App](#) • [GitHub](#)

Developed a full-stack event management app using Next.js, TypeScript, and MongoDB, featuring event creation, browsing, and scheduling. Integrated Google Calendar API for seamless syncing and implemented secure user authentication via NextAuth (credentials & Google OAuth), with persistent user data regardless of login method. Styled with Tailwind CSS and animated using Framer Motion for a responsive and polished UI.

#### Pix-pursuit mobile app - [GitHub](#)

Built a cross-platform mobile app using React Native and Expo Maps where users upload photos for others to guess the location. Managed media uploads with AWS S3 and developed a PostgreSQL/Express.js backend. Followed Agile workflows and TDD practices throughout development. After the bootcamp, added Docker Compose to streamline local development with PostgreSQL and Adminer.

#### NC News app - [GitHub](#)

Built a frontend clone of Reddit using React and Tailwind CSS, allowing users to post articles and comment. Focused heavily on web accessibility, using Lighthouse to meet WCAG 2.2 AA standards, implementing improvements such as semantic HTML, color contrast adjustments, and alt text for images. Also optimized the site for SEO based on Lighthouse suggestions, improving overall structure and searchability.

### EXPERIENCE

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#### Coolair (Self-employed), Manchester HVAC Engineer

Apr 2020 – Current

Led installation teams on large-scale projects across the Northwest, including hospitals, offices and prisons, often collaborating with manufacturers like Mitsubishi, Samsung, and Daikin.

- Designed and implemented complex pipework, drainage, and wiring systems for multi-million-pound projects.
- Managed logistics, including ordering and tracking large quantities of materials, ensuring timely completion of projects under strict deadlines.
- Developed problem-solving skills by adapting to changing site conditions and coordinating with multiple trades under challenging conditions.

## EDUCATION & TRAINING

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**Northcoders** , Manchester  
**Full-stack JavaScript bootcamp**

September 2024 – December 2024

Completed a full-time, 13-week immersive bootcamp focused on full-stack web development, software engineering principles, and industry best practices. Gained hands-on experience through solo and group projects, daily code reviews, and pair programming. Developed strong foundations in frontend, backend, testing, and DevOps tools.

- Foundational training on functional programming and OOP.
- RESTful APIs, Express.js, Git/GitHub workflows, CI/CD pipelines
- Test-Driven Development (TDD) with Jest and Supertest
- Agile methodologies: stand-ups, sprints, retrospectives