






JAKE TYSOME

SOFTWARE ENGINEER

CONTACT

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SKILLS

Languages & Frameworks

- JavaScript
- TypeScript
- React
- Next.js
- Node.js
- Express
- React Native

Databases & APIs

- PostgreSQL
- SQL
- REST APIs
- Notion API

Testing & Tools

- Jest
- Supertest
- Git & Github
- Agile Development
- Test-Driven Development (TDD)

Cloud & Integrations

- Vercel
- Google Analytics 4
- DigitalOcean
- Currently training in AWS Cloud Practitioner Essentials (Foundational)

EDUCATION

BSc (Hons) Audio Engineering & Production, 1st Class

Futureworks/UCLAN 09/2015 - 07/2018

- Awarded **Best Student Award** - Class of 2018

Software Engineering Bootcamp

Northcoders 2022-23

- Comprehensive training in JavaScript, React, Node.js, PostgreSQL, Agile Methodology, and Version Control
- Industry-led certification in full-stack software engineering

PROFILE

Proactive and dependable software engineer with 2+ years of professional experience specialising in **JavaScript, TypeScript, and React**. Proven track record in startup environments, delivering scalable, high-performance applications and collaborating directly with stakeholders to shape technical decisions. Skilled in translating business requirements into elegant technical solutions with a passion for clean, maintainable code that improves performance, usability, and scalability. Available to start immediately.

EXPERIENCE

Software Engineer

Flux QX Ltd. (Remote, Stockport)

03/2023 - 04/2025

Sole engineer in a startup setting, responsible for designing, developing, and maintaining full-stack applications using Next.js, React, TypeScript, and Node.js. Led technical direction and delivered high-impact features across greenfield projects.

Business critical eCommerce website with key features including:

- React context to maximise maintainability and scalability.
- Promotion scheduling system with Notion API integration enabling automatic UI updates and convenient campaign management for company directors.
- Google Analytics 4 and Google Ads integration with conversion tracking and custom consent manager, supporting digital strategy, campaign optimisation and data compliance.
- Third-party headless shop integration ensuring efficient sales management whilst maximising frontend customisation.

Dynamic and responsive record label website with key features including:

- Notion API integration enabling convenient and efficient content management and updates for company directors.
- Blog page with incremental static regeneration and scheduling system for automated publishing.
- Custom React audio player utilising HTML audio API, reducing reliance on third-party libraries and optimising performance.
- Newsletter sign-up system with Sendgrid integration and Next.js server actions, supporting business to consumer communications and marketing campaigns.

Web-based DJ track list creation tool with key features including:

- Metadata extraction and formatting saving business hours in manual processing.
- Automated Beatport buy link generation utilising Next.js Edge functions to ensure region specific search accuracy and song availability.
- Track list formatting controls maximising convenience and usability for users.

INTERESTS

Music Production & DJing

- Passionate about music production and DJing, with experience in audio software, sound design, and digital signal processing.

Audio Engineering

- Background in audio engineering has fostered a passion for solving creative problems with technical solutions, bringing a unique perspective to software development.

Science & Philosophy

- Keen interest in Astronomy, Cosmology and Physics
- Enjoy reading books by Carl Sagan, Richard Feinman, Stephen Hawking, Richard Dawkins

Junior Full-Stack Developer

Northcoders (On-Site, Manchester)
10/2022 - 02/2023

- Gained hands-on experience with modern software engineering best practices through an industry-led full-stack certification. Key achievements:
- Designed and developed a full-stack news platform using React and a RESTful Node.js API with PostgreSQL, implementing sorting, filtering, and interactive features
- Practiced Test-Driven Development (TDD) using Jest and Supertest for comprehensive testing coverage
- Adopted Agile workflows including daily standups, sprint planning, scrum ceremonies, and Git-based collaboration
- Built and deployed Node.js and Express APIs with efficient PostgreSQL database interactions
- Gained hands-on experience with Git version control, including branch management and collaborative workflows

Freelance Audio Engineer

JT Audio Post (Remote, Manchester)
09/2021 - 10/2022

- Communicated directly with clients to deliver high-quality audio for film, television, and online.
- Trusted to deliver work for brands such as L'Oréal, TSB, Old Spice, Holland & Barrett, and John West.

Principal Audio Post-Production Engineer

The Den Post Production (On-Site, Manchester)
09/2018 - 09/2021

- Managed and maintained integral audio systems and technology.
- Worked directly with clients, talent, and team members to interpret creative briefs into professional content across a wide variety of media including Film, TV and Online.