Joshua Foster | Software Engineer

East of England, UK | 07443 422826 | jsjf93@hotmail.co.uk | linkedin.com/in/joshua-foster-342526105 | github.com/jsjf93

SUMMARY

Software Engineer with 8 years of experience building scalable, accessible web applications across startups and enterprise environments. Specialises in design systems, modern frontend migrations, real-time architectures, developer experiences, build tools and robust testing strategies. Track record of mentoring teams, accelerating delivery speed, and driving cross-functional initiatives.

EXPERIENCE

BDO Software Developer *(London / Remote) September 2023 - Present*

- Led frontend stack modernisation (TypeScript, Vite, Playwright), achieving a 73% bug reduction and faster deliveries.
- Architected and scaled a React-based design system for 70+ developers across 10 teams, tripling delivery velocity through full-stack enablement.
- Reduced component library bundle size by 45%, improved consumer project initial entry JS by up to 83% and reduced UI project build times by up to 70%.
- Developed a variety of agent-based skills to assist with UI and DX reviews and bug checks, and created Node helper scripts to run as part of lint checks to catch invalid Tailwind Design tokens written by agents.
- Migrated projects to pnpm, in order to make use of git worktrees and the faster installation times when using agents to work on features concurrently.
- Mentored engineers on React and TypeScript usage, cutting onboarding time to effective contribution by two weeks.
- Designed event-driven UI architectures for real-time agentic AI workflows and arranged team engineering events on Python, Containers, and AI agents.

Uppr Founding Engineer *(London / Remote) July 2022 - July 2023*

- Founding engineer in an early-stage startup - designing and building a web application that retrieved contextual notes from business meetings in real time (before LLMs were cool!). Collaborating with two co-founders to pitch a proof of concept to Antler and secure funding.
- Enabled high-velocity feature shipping as the sole frontend developer by architecting a Next.js stack with an optimised pipeline, reducing deployment time to under 5 minutes.
- Built a real-time analytics dashboard that identified key churn points in the user journey, giving the team the data needed to pivot product focus based on signup-to-usage conversion.
- Managed end-to-end cloud infrastructure and observability across Azure, Auth0, GitHub Actions CI/CD, and Sentry.
- Ensured that we were following the necessary security practices after a pen test from a CREST accredited organisation.

Connectr Frontend Developer *(London / Remote) August 2021 - November 2022*

- Developed React/TypeScript web apps, increasing candidate engagement with mentors by 18%.
- Embedded accessibility standards (WCAG AA), passing a11y audits for enterprise clients.
- Introduced Cypress E2E testing, reducing sprint bug rates by 24% and improving release reliability.

Earthware Software Developer *(Remote) April 2020 - August 2021*

- Delivered client web applications across healthcare and media, including AccessLoop: a live-streaming platform overlaying real-time signer and stenographer feeds onto YouTube/Vimeo streams.
- Led the transition to a React and TypeScript frontend stack, introducing tools, patterns, and best practices.

Nielsen Brandbank Junior Software Developer *(Norwich, Norfolk) January 2019 - March 2020*

- Worked as part of an Agile team to rebuild an existing platform using React, TypeScript, C#, and Azure Function Apps.

SKILLS

Frontend: React, TypeScript, JavaScript, Vite, Next.js, HTML, CSS, Tailwind, Redux, Playwright, RTL, Vitest, Websockets, REST, Apollo Client, pnpm

Cloud & DevOps: Azure, Vercel, GitHub Actions, ADO, Sentry, Datadog

Backend: C#, .NET, SQL Server, Python, Node

EDUCATION

University of East Anglia 2014 – 2018
BSc Computer Science w/foundation year (2:1)

Registry of Guitar Tutors 2014
DipLCM, Upper level Guitar Diploma (LCM)

INTERESTS & EXTRA-CURRICULAR

- I love tinkering with tech, of course! My most recent project is a Rust based audio-capture tool for transcribing mic and system audio simultaneously.
- Toured UK-wide as a musician, securing brand partnerships and a custom signature guitar while building strong communication skills and ran music workshops at the Holt Youth Project, fostering mentoring skills and composure.