Shoaib Mohammed

Frontend Engineer

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PROFESSIONAL SUMMARY

Frontend Engineer with **2 years of experience** building responsive, accessible and high-performance web applications using **React, Next.js, TypeScript and modern full-stack tools**. Recently secured **2nd place in the CuraLink Hackathon** for architecting an AI-driven healthcare platform. Seeking Frontend Engineer roles in the UK, and I have the right to work.

WORK EXPERIENCE

Full Stack Developer – Humanity Founders | Oct 2025 – Nov 2025 | Remote, USA

- Architected a full-stack AI healthcare platform with role-based workflows, NLP search and AI-driven summarisation, delivering **95+ Lighthouse** performance, **<300ms** API latency.
- Optimised patient-trial matching and expert workflows, achieving **3-5x** more relevant matches, **40%** higher expert engagement, **+56 %** faster publication review, and **<2s** end-to-end chat latency.

AI prompt engineer – Outlier | May 2024 – Apr 2025 | Remote, USA

- Engineered data-analysis scripts and prompt-validation frameworks using JavaScript and Python, testing **80+ edge cases** and enhancing AI model reliability and coverage.
- Developed automated testing and monitoring pipelines that increased model response stability by **70%** and significantly reduced production **regressions.**

Front-End Developer – The Brandling Villa | Feb 2024 – May 2024 | Newcastle, UK

- Rebuilt the website and booking UI using React, Next.js and Tailwind CSS, improving user flow and increasing online bookings by **25%.**
- Applied WCAG 2.1 accessibility standards and advanced performance techniques (code-splitting, lazy-loading, image optimisation), reducing page load time by **30%** and improving overall site usability.

Software Engineer Intern – RadicalX AI | Nov 2023 – Feb 2024 | Remote, USA

- Delivered production-ready React + TypeScript components for a high-traffic AI chat platform, reducing latency by **35%** through optimised rendering, caching strategies, and component-level performance tuning.
- Collaborated in Agile sprints across PR reviews and iterative feature delivery, improving UI/UX retention metrics by enhancing responsiveness, usability, and crossflow consistency.

PORTFOLIO PROJECTS

CuraLink - (Next.js, Express TypeScript, PostgreSQL, Redis, Google Gemini)

- Built an AI-powered healthcare discovery MVP connecting patients and researchers with personalised trial, expert and publication recommendations, integrating PubMed, ClinicalTrials.gov, ORCID and ResearchGate datasets to support **3-5x more** relevant health insights.
- Delivered core features including NLP search, AI summarisation and real-time chat using Google Gemini and Redis caching, enabling smooth **cross-user workflows**.

SendStream - (Next.js, Node.js, MongoDB, SendGrid, Stripe)

- Built a secure AI-powered SaaS newsletter automation platform with rate limiting, encryption and usage tracking, reducing OpenAI content-generation latency by **53%** (from 20-30s to 8-12s).
- Delivered end-to-end automated workflow - creation, AI enrichment, scheduling, analytics, quality scoring and Stripe billing, increasing content **production speed** and enabling scalable email delivery with advanced tracking and **+86 %** uptime via SendGrid.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), Node.js, Python, SQL, TypeScript
Frontend: CSS3, Framer, HTML5, Next.js, React, Tailwind CSS
Backend: Automated Testing, Axios, JWT Authentication, Node.js (Express), Redis, RESTful APIs
Databases: MongoDB, PostgreSQL
DevOps/Cloud: CI/CD (GitHub Actions), Docker, Google Cloud Platform (GCP), Git
Testing: Cypress, Jest, Postman, React Testing Library
Specialised Tools: Accessibility (WCAG 2.1), Agile Methodologies, Data Analytics, Figma, Google Gemini API, OpenAI API, Performance Optimisation, Prompt Engineering, SEO Stripe API

EDUCATION

MSc Computer Science | Newcastle University
BEng Electrical Engineering | CV Raman College of Engineering