

Personal Profile

Results-driven Software Developer specialising in building high-performance Serverless Architectures (Cloudflare Workers / D1 SQLite). Expertise spans the entire development lifecycle, from architecting complex UIs with Next.js 16/Tailwind CSS to deploying resilient systems utilising CI/CD and integrated user authentication. Proven ability to drive efficiency by leveraging LLM coding agents for rapid prototyping and delivering production-grade solutions that prioritise scalable design and exceptional UX.

Core Skills

- **Frontend:** React 19/TypeScript, Next.js 16 (Static Export), Tailwind CSS v4, Framer Motion (Parallax & Transitions)
- **Backend & Cloud:** Node.js/FastAPI, Serverless Architectures (Cloudflare Workers, D1 SQLite)
- **DevOps & Tools:** Docker, GitHub Actions, External API integration, LLM Agents ([OpenCode](#) & [Pi Coding Agent](#)), Advanced Linting / Static Analysis.
- **Methodology:** Agile Scrum, Unit Testing & QA, High-Performance System Design, Full Software Development Lifecycle Management (SDLC).

Projects

Portfolio Website - Professional Showcase

April 2026 – Present

(High-Performance Frontend Web Experience | Next.js 16 / TypeScript, Tailwind CSS, Framer Motion)

- Built a high-performance portfolio leveraging Next.js 16 (static export) and advanced frontend engineering to ensure optimal loading speed.
- Demonstrated mastery of complex UI/UX by implementing dynamic features such as Parallax Scrolling, an active section tracking navigation system, and responsive Glassmorphism design principles.

PriceTracker - Grocery Price Tracker

Feb 2026 – Present

(Cloud-Native Full-Stack Application | React/TypeScript, Cloudflare Workers, D1 SQLite, GitHub Actions)

- Engineered a highly resilient serverless architecture using Cloudflare Workers and D1 SQLite, implementing transactional writes and normalized data schemas for robust product tracking.
- Integrated advanced automation via AI-Enriched Product Search (Gemma 4) to extract price/brand details from web snippets and utilised OCR (Tesseract.js) for efficient receipt scanning and batch creation.
- Delivered core features including CRUD management, secure user authentication, and an Admin Dashboard leveraging SQL aggregations for key system analytics.

Experience

Health Related Career Pause & Technical Upskilling

Mar 2022 – Jan 2026

- Took an extended health-related leave to focus on full recovery.
- From Jan '26 onward I dedicated time to self-studying advanced DevOps and Software Development, now applying LLMs for rapid prototyping, testing, and production code generation.

Serco/DWP – Customer Service Advisor (WFH)

Feb 2022 – Mar 2022

- Handled Universal Credit claims via phone while maintaining strict adherence to data privacy guidelines.

Twitch.tv – Independent Content Creator / Streamer

Jan 2015 – Mar 2020

- Managed live streaming technology, content creation, and social media engagement for a sustained period.

Education

King Charles 1st School (2005 – 2008) – GCSEs: Maths, English, Electronic Products, Business Studies, IT.