Alexander Smith

Full-Stack Developer

Dubai, UAE · Open to remote, flexible hours for UK/US overlap

+971 50 109 6230 · ajs@alexandersmith.dev · alexandersmith.dev · github.com/alexsmith2910 · linkedin.com/in/alex-smith-dev

Profile

Full-stack TypeScript developer with a computer science background, returning to software full time after two years running large-scale operations in industry. Ships products end to end: most recently an offline-first iPhone app with a custom sync engine, server-side AI and 5,600+ automated tests. Brings real-world product sense from building tools for the people who use them, plus the ownership and delivery discipline of leading 250+ staff. Looking for a remote product team where I can do the work I'm most passionate about and keep growing as an engineer.

Projects

FM Auditor — iPhone app for field site audits · 2026 · fmauditor.app

Expo, React Native, TypeScript, SQLite/Drizzle, Supabase, Edge Functions, Skia, StoreKit

- Designed and built solo, from product spec to App Store submission; now in TestFlight beta
- Offline-first architecture: on-device SQLite as the source of truth, with a hand-rolled sync engine (server-stamped cursors, last-write-wins conflict resolution)
- Generates matching PDF and Excel reports on device (pdf-lib, ExcelJS) with maps, action lists and signed sign-off
- AI finding review behind a server function, with per-account usage caps; chose the provider by benchmarking 52 real findings
- Optional Pro tier priced only to cover hosting and AI running costs, with server-verified subscriptions; row-level security, 5,600+ Vitest tests and Sentry crash reporting

WatchDeck Cloud — hosted uptime and endpoint monitoring · 2026 · app.watchdeck.dev · docs

Next.js 16, React 19, TypeScript, Supabase/Postgres, Vercel Cron, Tailwind v4, Nextra, OpenAPI

- Multi-tenant SaaS: a check engine probes endpoints every 60 seconds against status, latency, TLS-expiry and response assertions
- Incident lifecycle with flapping detection, MTTR reporting and grouped alerts to email, Slack, Discord and webhooks
- Read-only private status API with per-consumer keys, plus SLO, latency-percentile and error-budget dashboards
- Separate documentation site and a shared token-based design system with light and dark themes

WatchDeck (open source) · GitHub

- Self-hosted version of the monitoring toolkit, published as an npm package (TypeScript, MIT)

alexandersmith.dev — portfolio · alexandersmith.dev

- Built from scratch in Next.js with real-time 3D (Three.js, WebGL, GSAP), deployed on Vercel

Experience

Assistant Facilities Manager — Emrill Services LLC, Dubai · Aug 2024 – Present

- Replaced paper logs and manual reporting with a Microsoft Forms and Power Automate pipeline feeding a live Power BI dashboard, including severity-weighted compliance logic
- Member of Emrill's AI Committee, assessing where AI and automation fit into day-to-day operations
- Designed and rolled out internal tracking systems and Excel workbooks for inspections, maintenance and incident reporting
- Worked daily in CAFM and Emaar ICMS; gathered requirements from frontline teams and translated them into tools they would actually use
- Led multi-discipline teams of 250+, managing stakeholders, SLAs and delivery across three major Dubai communities

Software Developer Intern — Symbionic (remote) · May 2023 – Nov 2023

- Built a cross-platform desktop app (React, Electron, TypeScript) for clinicians to view live data from a bionic arm over serial (COM) ports
- Added data visualisation (Chart.js), saved user settings, and offline loading and saving of recorded sessions
- Defined requirements with the engineering team and iterated features from their feedback

Freelance Developer · 2019 – 2024

- Built websites and small applications for clients alongside study, including a client business site (React, Tailwind)
- Delivered a Python pathfinding application with a GUI, Dijkstra/A* routing and incident-avoidance reporting
- Led a small team of freelancers on a client game project, splitting work by strength and owning the GUI and QA

Software Developer Intern — Lattice Solutions LLC, Dubai · Jul 2020 – Aug 2020

- Built database-backed web pages that load and display user records

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, Java

Frontend: React, Next.js (App Router), Tailwind CSS, HeroUI, Three.js, WebGL, GSAP

Mobile: React Native, Expo (EAS, Router), Reanimated, Skia

Backend and data: Node.js, Express, Supabase (Postgres, Auth, Storage, Edge Functions, RLS), PostgreSQL, SQLite/Drizzle, MongoDB, REST and OpenAPI

Infrastructure and tooling: Vercel, Git and GitHub, Docker, AWS, Vitest, Sentry, App Store Connect

Education

Computer Science — Royal Holloway, University of London · 2021 – 2024

Programming fundamentals, software design, object-oriented programming, internet services, mathematical structures, machine fundamentals

A Levels — Boston Grammar School, UK · 2019 – 2021

Computer Science (A*), Mathematics, Physics. NEA: a multi-module train automation system in Python and JavaScript, with its own API, sockets and an analytics GUI

Certifications

- IBM Applied AI Specialisation — Coursera, 2023