

Joshua Miller

Full-Stack Product Engineer

San Francisco Bay Area (Remote preferred, open to relocation)

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SUMMARY

TypeScript, React, Flutter, Cloudflare (Workers, Durable Objects, R2), Neon Postgres, self-hosted AI. Ships production systems end to end. I built LezFindr on my own, an LGBTQ+ dating app on iOS and Android with 7,200+ signups, from the Flutter app down to the database. Self-taught. I started around 2009, building affiliate marketing apps by hand in Java and Eclipse. In 2023 I taught myself Flutter, Dart, PostGIS, and Cloudflare to rebuild LezFindr from scratch.

EXPERIENCE

Lead Software Engineer, Utopian Creations LLC | 2023 - Present | San Francisco Bay Area

My own software company. I build and run production apps for my own products and for clients.

- Built LezFindr on my own: Flutter app, Cloudflare Workers + Hono API, Durable Objects for real-time chat, Neon Postgres with PostGIS for location search, and R2 for media. 7,200+ signups on iOS and Android.
- Moved 2,500+ LezFindr profiles from Firebase Firestore to a 20+ table Neon Postgres schema, with the plan written up in an 89KB architecture decision record.
- Built a two-stage photo moderation pipeline: TensorFlow Lite on the phone, then a self-hosted Qwen-based model on Helios instead of a third-party vision API, for user privacy. Anything flagged goes to an admin review queue.
- Took Neesh.art, a B2B magazine marketplace, from a Lovable prototype to production: Supabase backend with 25+ tables, row-level security, edge functions, and Google OAuth.
- Built client sites for Ravenscroft Design (jewelry portfolio with a Firebase CMS) and Moffatt Ranch.
- Run Helios, a self-hosted AI assistant on my own GPU. It answers visitor questions on joshmiller.xyz.

Mission Controller, Zoox | 2025 - Present | San Francisco Bay Area

- Monitor and support autonomous vehicle fleet operations in real time, diagnosing system faults and walking on-site technicians through CLI-based troubleshooting.
- Watch active fleet incidents and help coordinate vehicle recovery with the Teleoperations, Fleet Response, and Rider Operations teams.
- File detailed bug reports and tooling feedback that led to direct follow-up from engineering.

Retail Associate Manager, T-Mobile | 2018 - 2023

- Top 3 in sales rankings; store ranked #1 nationwide (July 2019). Designed a Figma prototype for the payment process that was adopted nationally. Built Power BI dashboards for training.

Territory Sales Manager, Mosaic (Google Android Team) | 2022

- Drove a 30% increase in Android product sales across the territory. Designed training that lifted rep performance by 25%.

Operations Manager, Ray Catchers LLC | 2017 - 2018

- Grew the sales team from 2 to 7 in 3 months (400% sales growth). Moved the CRM to HubSpot and cut operating costs 15%.

eCommerce Account Manager, Champion Sport Co | 2013 - 2017

- Taught myself OpenCart and built the company's first online store. Tripled online revenue by selling across Amazon and eBay.

Office Manager & IT Lead, Robert C. Miller, D.D.S. | 2004 - 2014

- Led the move from DOS to Windows Server with Active Directory. Set up digital X-ray (25% more capacity). Cut accounts receivable from \$250k to \$70k in year one.

SKILLS

Languages: TypeScript, JavaScript, Dart, SQL, Python

Frontend: React, Next.js, Vite, Tailwind CSS, shadcn/ui

Mobile: Flutter, React Native / Expo

Backend and infrastructure: Cloudflare Workers (Hono), Durable Objects, R2, KV, Node.js, Supabase, Firebase, Docker

Data: PostgreSQL (Neon), PostGIS, Firestore, SQLite

AI: Self-hosted LLMs (Llama.cpp, Qwen-based vision moderation on Helios), TensorFlow Lite, Claude and Gemini APIs

CERTIFICATIONS

CompTIA A+ (220-1101) | Sep 2024

Google IT Support Professional Certificate | Aug 2024