

Jeremy Moseley

Senior Full-Stack Engineer • AI Products

San Jose, CA • (408) 210-8423 • jeremymoseley@me.com • jeremymoseley.com • github.com/moseley • linkedin.com/in/jeremymoseley

Open to in-office or hybrid in Silicon Valley, San Francisco, or remote.

SUMMARY

Full-stack product engineer with 20+ years of turning rough ideas into shipped products, most recently as the sole engineer behind an AI-powered voice training platform. Equally at home architecting cloud infrastructure, building React/Next.js interfaces, and integrating LLMs, real-time speech and payments. Career spans game QA at THQ, eight years leading development at a digital agency for brands like Shell and Maserati, and founding eTono, a software studio building custom web apps.

EXPERIENCE

Lead Full-Stack Engineer — Comtac Training

Remote • Sep 2021 – Present

Sole engineer: architected, built and run the platform end to end; previously led contract developers during periods of expansion.

- Architected and built a voice-driven incident-command simulator for firefighter training, taking it from concept to production launch on Next.js (App Router), TypeScript and Vercel. Trainees run realistic radio-command scenarios against AI-driven characters, replacing scripted role-play with on-demand practice.
- Re-platformed the product from a multi-service AWS stack (Amplify, Cognito, AppSync GraphQL, Transcribe, Polly) to Next.js on Vercel. This removed complex cross-service IAM permissions, sped up builds, and replaced brittle rule-based replies, which couldn't handle trainees' reported speech, with LLM-driven contextual responses through the Vercel AI SDK.
- Rebuilt the real-time voice AI pipeline (streaming ElevenLabs speech-to-text → LLM with scenario-aware prompt engineering → ElevenLabs text-to-speech), cutting response latency from over 8 seconds to under 3.
- Integrated Stripe subscription billing using hosted Checkout and the Customer Portal, handling new and cancelled subscriptions through the Stripe API to control access. Added Mux video streaming and S3 asset storage.
- Led contract developers during growth phases: set up their local environments, assigned self-contained features, and reviewed their code before it shipped.
- Use AI-assisted development daily (Claude Code, MCP) to ship at the pace of a larger team.

Founder & Principal Engineer — eTono

San Jose, CA • 2005–2008, 2016 – Sep 2021

- Retained Maserati, ELAC and REZA Investment Group as direct clients after Velodea closed, continuing their platforms and expanding into new work, owning each project from architecture through deployment.
- Built a bilingual CMS for ELAC's website on load-balanced, auto-scaling AWS infrastructure (ELB, EC2, RDS, OpsWorks/Chef) that absorbed traffic spikes from product launches at CES, including the Debut speaker line, while staying lean during normal traffic.
- Led the redesign of REZA Investment Group's corporate site and its gated REZAnet marketplace.
- Built NCAA basketball and NFL bracket contests for a sports-betting startup, plus a pipeline that pulled game data from the SportsDataIO API and normalized odds across sportsbooks (FanDuel, DraftKings, Bet365) to surface the best-value bets.
- Wrote and deployed an Ethereum smart contract (Solidity) for tokenized voting.

Director of Development — The Velodea Group

Pasadena, CA · Jan 2008 – Jun 2016

- Led a team of 2 engineers and 2 designers delivering 50+ client projects (web platforms, iOS apps, video encoding, API integrations, e-commerce) for brands including Shell, Maserati and Hawker Beechcraft. Built the engineering practice that turned a design-only agency into a full-service digital product studio.
- Built Shell Eco-marathon's event platform for 300+ student teams across events in the Americas, Europe and Asia: registration and check-in, multi-role access, technical-spec upload and approval, media credentialing, and travel and lodging management.
- Designed behavior-driven content recommendation engines using on-site and cross-site tracking, including one for Hawker Beechcraft's Journey content hub.
- Built Hawker Beechcraft's rebrand CMS, a China-localized site, and a native iOS app (Objective-C) the sales team used for client presentations.
- Built Maserati's concierge lead-gen microsite and a dealer co-op site with a Google Maps dealer locator.

First Party Specialist — THQ

Calabasas, CA · Jan 2003 – Mar 2006

- Wrote the Xbox Live network testing handbook and protocols for Microsoft.
- Found 500+ bugs across 20+ titles on Xbox, PlayStation, GameCube, PC and mobile using white-box testing.
- Embedded with Pandemic Studios for the final six months of development on *Full Spectrum Warrior*.

PROJECTS & AWARDS

- **1st Place, Veteran Innovation Hackathon** (3-day event, 2026): built the front-end web app and API integrations on a 10-person team creating a Next.js app that guides veterans to support resources through a simple three-choice flow; deployed on Vercel. github.com/moseley/suasqrf

SKILLS

- **AI & LLM:** OpenAI API, Vercel AI SDK, Claude API, Model Context Protocol (MCP), ElevenLabs (speech-to-text / text-to-speech), prompt engineering
- **Languages & Frameworks:** TypeScript, JavaScript, React, Next.js, Node.js, GraphQL, PHP
- **Data & Cloud:** PostgreSQL (Neon), MySQL, MongoDB, Vercel, AWS (Amplify, Cognito, AppSync, EC2, ELB, RDS, S3, Transcribe, Polly)
- **Payments & Media:** Stripe (Checkout, Customer Portal, Billing API), Mux

EDUCATION & CERTIFICATIONS

- **B.S. Computer Science**, Hawaii Pacific University, Honolulu, HI · Makana Scholarship recipient
- **Anthropic Academy (2026):** 12 courses including Claude Code, Model Context Protocol, Agent Skills, subagents, and building with the Claude API
- **Google AI Professional Certificate (2026):** 8 courses covering AI fundamentals, app building and deployment