Jeffrey Wyckoff

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SUMMARY

Passionate software engineer looking to pair 10 years of full-stack expertise with my love of the events industry, to help organizers build profitable, community-driven events. I'm a music producer and DJ who plays and sells tickets to my own shows in NYC and across the US, including on Posh, and an audio software engineer who builds music-production plugins. As an engineer, I've led complex features where real money moves: recurring payments for a lending platform, a $100M+ payments application on Stellar, and a consumer subscription platform I founded. I'm AI-native, with a production agent workflow that raised my output from ~11.5 to ~77 merged PRs a month.

EXPERIENCE

Senior Full-Stack Developer — Dealer Controlled Solutions (DCS)

Mar 2024 – Nov 2026 · Multi-tenant B2B platform for car dealers: sales, payments and lending (React, TypeScript, .NET 8, Azure, MySQL)

- **Led the architecture and delivery of complex features.** Took the Axle insurance-verification integration from plan to merged code in ~5.5 weeks and then to production, and grew it into a compliance product with a dealer-configurable rules engine, a background onboarding queue and a dashboard. I owned 40 of 43 backend and 35 of 36 frontend PRs.
- **Owned money flows end to end, the way ticketing has to.** Rebuilt recurring payments on .NET 8 behind a shadow rollout and kill switch, migrating every active enrollment with no double charges. Designed the database model behind it (one row per scheduled charge, so skip, reduce and defer became simple changes), plus a running-balance ledger and audits that alert on any mismatch.
- **Optimized performance and reliability as usage grew.** Measured first, took a key query from 9.1 s to 0.9 s and got rows on screen in ~80–100 ms. Added row-level locking, idempotent creates and a concurrency design checked against eight interleavings.
- **Built with data in mind for business leaders.** KPI, insurance-compliance and collections dashboards, including analytics for an AI calling-agent vendor (calls, contact rate, payments credited, time saved).
- **Contributed to the design system and frontend.** Built most of the React/TypeScript New UI redesign (46 PRs, +67.7K lines), with uniform schema-validated forms, and prototyped features as clickable demos and in Storybook before production code.
- **Shipped MVPs fast without lowering the bar.** Ran a Claude Code workflow under written rules, with a worktree per ticket and parallel sessions; I was the #1 contributor in the React app (of ~20) from July 2026, while a human approved every merge. Kept systems secure with server-side ownership checks across tenants and PII kept out of logs.
- **Raised the bar for others.** Steered a coworker's over-built engine to a simpler design, called a "big step back" that removed 574 lines, and wrote specs and handoff guides.

Founder & Audio Software Engineer — doug audio

Oct 2026 – present · Music-production plugins for Ableton Live (C++/JUCE, VST3/AU), built with Claude Code

- Built a suite of plugins for producers, ~60,000 lines of C++ in under four weeks. I set the specs, architecture and quality bar and reviewed every feature; Claude Code wrote the code.
- **douglas:** a wavetable synth with analog-modelled filters, a modulation matrix and ~93 presets (0.9.0 installer).
- **centerstage:** a zero-latency vocal-chain plugin rebuilt from my own chain, matching it to within ~1 dB.
- **harmio midi:** writes MIDI parts over the chords of a loop or clip.
- **warm lab:** an R&D bench for new synth engines, tested in blind listening rounds (0.2.0 installer).
- Ran it like a product, with a spec and mockup approved before each feature and listening tests in Ableton. Shipped with CI on every push, bit-identical render tests, soak tests and a signed installer.

Personal project — Collectibles marketplace

Nov 2026 · Go, PostgreSQL, JavaScript

- Built a working marketplace with limited drops, fees, seller payouts and an append-only ledger in days, with concurrency tests proving each item sells exactly once: the same problem as a limited ticket drop.

Senior Software Developer — Ernst & Young Blockchain

2021 – 2024

- Designed and built a production application on Google Cloud connected to the Stellar blockchain that carried $100M+ in transactions and client onboarding.

Founder & CTO — Fraction · Founder — Lisco Tequila Seltzer

2019 – 2021

- **Fraction:** founded a consumer subscription clothing-rental platform and led a team of 5 (React, serverless AWS, Stripe, FedEx, barcode tracking); 60 subscribers in the first month and partnerships with 10 vendors.
- **Lisco:** built a direct-to-consumer drinks brand from zero; raised ~$600K, won federal TTB approval and shipped to 30+ states.

EDUCATION

B.S., Quantitative Finance — Stevens Institute of Technology, 2012 – 2016

SKILLS

- **Frontend:** React 18, TypeScript, TanStack Query / Table / Virtual, react-hook-form + Zod, Tailwind, Storybook, Vite. React Native: learning
- **Backend and data:** Node.js, .NET 8 / C#, Go, REST APIs, webhooks, background queues, PostgreSQL, MySQL, MongoDB, schema design, row-level locking, idempotency
- **Cloud:** AWS, Azure, Google Cloud, Docker, GitHub Actions
- **AI-native:** Claude Code (rules, skills, subagents, memory, parallel sessions), MCP integrations
- **Events and music:** professional music producer and DJ; ticketed shows in NYC and across the US; Posh organizer