

Alejandro (Alex) Cavazos

Technical Co-Founder & CTO

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SUMMARY

Technical co-founder and CTO who designs, builds and operates software products end to end: architecture, infrastructure, payments and Mexican tax compliance, and AI agents in production.

EXPERIENCE

Octagon Labs — Studio that builds and operates its own software companies Jan 2025 – Present
Co-Founder & CTO Monterrey

- Built HQ, the studio's operations console: revenue reporting from each company, a shared lead database and the controls for its AI agents.
- Designed and run autonomous browser agents that find and qualify leads on Google Maps and Facebook: 7,549 leads across Mexico, Canada, Colombia and Brazil.
- Built EventKit (event ticketing with Wallet passes, QR check-in and an Android door scanner), FanKit (Wallet loyalty cards) and Timbra Chat (an agent that issues CFDI invoices from receipts).
- Run the studio's products on self-hosted infrastructure: Postgres, Redis, object storage, Cloudflare Tunnel and self-hosted CI runners, with automatic rollback and daily verified backups.

Turboship — Shipping software for businesses in Mexico Nov 2023 – Present
Co-Founder & CTO Monterrey

- Built Turboship Carrier, a multi-tenant shipping platform integrating 18 carriers, deployed as an isolated instance for each white-label reseller.
- From Jul 2025 to Jul 2026 the network processed ~1.6M shipments for 852 businesses through 9 resellers (~\$257.7M MXN billed).
- Owned payments and Mexican tax compliance: SPEI deposits with automated reconciliation, CFDI e-invoicing, Mercado Pago.
- Built Turboship WMS (inventory, point of sale, online stores) as a second product and automated white-label provisioning end to end.

Terpa Solutions — Payments for vending, micromarkets, parking and kiosks Apr 2024 – Present
Technical Advisor (Aug 2026 – Present) · previously Head of Technology (Apr 2024 – Jul 2026) Monterrey

- Built the multi-tenant platform that manages 1,300+ payment terminals across Mexico, with Openpay, Mercado Pago and CFDI integrations.
- Led the team building the Android apps on PAX and Sunmi terminals; set up release pipelines and crash reporting.
- Introduced AI-assisted code review and agent-based development practices to the team.

Caring · Software Engineer, Tech Lead — Partner Experience (contract)	Remote	Jan 2025 – May 2025
Able · Software Engineer, Tech Lead — Full-Stack Web (contract)	Remote	Nov 2021 – Dec 2024
PayPal · Software Engineer — Consumer Web Platform (contract)	Remote	Jan 2021 – Oct 2021
Independent · Remote Software Development & Consulting for US companies	Remote	2014 – 2020

SKILLS

AI	Coding agents (Claude Code, Codex); Vercel AI SDK, OpenAI, Anthropic, OpenRouter; browser and tool-calling agents, document vision, structured outputs
Engineering	TypeScript, Next.js, React, Postgres, Redis, BullMQ, Socket.IO, Kotlin / Compose, React Native
Infrastructure	Linux servers, Docker, Cloudflare, Vercel, DigitalOcean, GitHub Actions
Payments (MX)	CFDI e-invoicing, SPEI reconciliation, Openpay, Mercado Pago
Languages	Spanish (native) · English (professional)