Felipe Acosta

Head of Engineering · Fractional CTO

Mexico City · Remote on US hours · English and Spanish · No visa sponsorship needed

felipeacosta.ai ↗ felipe@felipeacosta.ai ↗ linkedin.com/in/felipeacostap ↗ github.com/namesphill ↗

About

Hands-on engineering leader with 7 years building software and AI products. I build production AI systems and the teams that ship them. At Backtrack, a US AI meeting-intelligence startup, I joined as a full-stack developer and became Head of Engineering, reporting to the CEO and owning the architecture, the production LLM pipelines, the cloud and the engineering team. Before that I did technical diligence for an accelerator and micro-VC.

Two ways to work together

Head of Engineering · full-time

Own architecture, delivery and the team: hiring, release and QA process, security reviews and cloud cost, while still shipping code.

Fractional CTO · part-time

For early-stage AI startups: architecture and AI decisions, getting AI-built products to production, hiring the first engineers, and delivery diagnostics.

Patent

> Co-inventor, US Patent Application 19/688,513 (pending)
> AI grading of recorded event meetings from transcripts.

Experience

Sep 2021 – Present

Backtrack (Yac Inc.)

US AI startup: meeting intelligence for trade shows and executive events. Remote. One continuous tenure; Backtrack is Yac Inc.'s pivot product.

2024 – Present	Head of Engineering
2023	Software Engineering Manager
2022	Apple Platforms Engineer
2021	Full Stack Developer

Engineering leadership

- **Built and led the engineering team** across backend, web, iOS, macOS and Android; hired with work samples and reported to the CEO.
- **Ran delivery:** a weekly release cadence with a beta buffer, release runbooks, a QA process and written root-cause analyses for production incidents.
- **Owned enterprise security and AI vendor reviews** for customers and data-protection review of contracts; ran cost-reduction work across cloud and AI vendors.
- **Moved the team, CEO included, to agent-first engineering:** rolled out Claude Code and shared agent skills, with cross-provider AI review on every PR.

Production AI

- **Designed and built the AI grading and report pipeline** with a backend engineer: a staged LLM pipeline in which transcript excerpts justify every grade, with automated checks before reports ship. This is the work behind the patent application.
- **Treated grading as an eval problem:** calibrated the rubric on sampled runs against a validation chart set, and made full-dataset reruns much faster with parallelism and caching.

- Built the harness that lets coding agents verify their own work: seeded environments, agent auth, a browser test harness, contract tests and observability.

Architecture and product

- Wrote the backend re-architecture and drove the migration to completion with the team: typed API contracts generated for every client, infrastructure as code, and supply-chain hardening on dependencies.
- Led and built the customer dashboard and API (Next.js, TypeScript, PostgreSQL), and shipped an event-platform integration API in about two days when a customer named it as the blocker.
- Learned Swift in 2022 and built the core of the Mac app (screen, mic and system-audio capture), shipped through the Mac App Store and Setapp; later ran the iOS release train.

Before Backtrack

Jul 2019 – Sep 2021

Orion Startups

Business Engineering & VC Analyst · Accelerator and micro-VC · Chihuahua, MX

- Gave technical diligence on applicant startups to the investment board.
- Built internal software and applicant-workflow automation, and rebuilt the website.

Aug 2020 – May 2021

Tecnológico de Monterrey

Software Engineer Intern · Chihuahua, MX

- Built CarnetE, an events platform (React, Firebase, GCP), on my own initiative in under six months; the internship role was created around it afterward.
- Adopted across the university's campus network: 3,000+ users, 200+ events, ~15,000 registered attendances.

Skills

Leadership	Hiring & work samples · release & QA process · incident review · security & DPA reviews · cloud cost · technical diligence
AI	Staged LLM pipelines · rubric design & evals · transcription · Claude Code, Codex & MCP · agent test harnesses
Engineering	TypeScript · Next.js · Node.js · PostgreSQL · Python · Swift · AWS · GCP · Terraform
Education	Tecnológico de Monterrey, computer science coursework (2021); left to join Yac full-time.

Figures marked ~ are approximate. References available on request.