

Alfonso Cartes Guilarte

Senior AI Product Engineer · React Native & Full-Stack TypeScript

Cyprus (EU) · Full US Eastern-hours overlap (9–5 ET)

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SUMMARY

Senior AI Product Engineer and full-stack TypeScript engineer with 20+ years of software experience and 6+ years shipping React Native products. I build agentic AI systems in production — tool-calling agent loops, multi-model routing, and human-in-the-loop review — across React Native, Next.js, Node, tRPC, and Cloudflare. I can architect, develop and ship whole products solo, including a 62-screen marketplace and its edge backend, for clients across the US, the UK, Spain, Sweden, Venezuela, and Cyprus, with full US Eastern-hours overlap (9–5 ET) from Cyprus.

SKILLS

AI: Anthropic Messages API (tool use, structured outputs, streaming), Claude Agent SDK (tool orchestration, structured output), Multi-model routing, confidence gating, and cost/latency tiering, Context construction for LLM calls, Vercel AI SDK, Cloudflare Workers AI, MCP clients (Claude Code, Codex CLI), Guardrails (prompt-injection defenses, rate limiting, quotas), Vision, speech-to-text, translation, and moderation pipelines

Frontend: JavaScript, TypeScript, React, React Native, Next.js, Remix, Astro, TailwindCSS, HTML/CSS

Backend: Node.js, Cloudflare Workers, Cloudflare D1, Durable Objects, REST APIs, tRPC, Prisma / Drizzle ORM, PostgreSQL / SQLite, Express.js, Hono.js

Mobile: Expo, React Native, NativeWind, Maestro E2E, App Store & Play delivery

Other: Stripe / Checkout.com Payments, PostHog / Product Analytics, Sentry, Business Development, Project Management, Team Management, CI/CD

EXPERIENCE

Founder / Senior AI & Full-Stack Engineer

2022 - Present

Wandity Ltd

My EU company for product development and contract engineering with international clients, including engagements in Spain and CybaVerse (UK).

- Agorani: Workers AI vision, translation, and moderation pipelines inside a 62-screen React Native and Expo marketplace, built solo including its Hono and tRPC Cloudflare backend, Durable Objects chat, and D1 data model — 1,100+ commits, with a 9-suite Maestro E2E harness covering 70+ native flows
- Abrila/Fabrilamp (Jun 2024 - Feb 2026): led engineering across a Next.js B2B platform with a 55-table server-side catalog mirror and a separate offline-first React Native iPad app for 5,000+ products
- Walking Tour Guides: shipped a self-guided React Native and Expo travel app that is live on the App Store with GPS routes, picture galleries, RevenueCat purchases, and content for 20+ cities
- CybaVerse (Aug - Nov 2024): contracted through Founder & Lightning on a UK cybersecurity compliance SaaS using Next.js, tRPC, Hasura, PostgreSQL, and SSO

EXPERIENCE CONTINUED

Senior Full-Stack Software Engineer

Jul 2018 - Nov 2023

Cartes Ltd.

My previous company for international web and mobile client work with Team Gearflow (US), Caply (Sweden), and Kukd.com (UK).

- Kukd.com: led mobile engineering for its Expo and React Native ordering app, contributing 882 of 1,724 commits and delivering payments, live order tracking, and a Next.js white-label ordering platform
- Team Gearflow: contributed 368 of 1,081 main-branch commits to a production platform with two Remix apps, a 44-entity Prisma domain, and Go services for supplier and industrial-printer integrations
- Caply: helped build a Remix logistics marketplace with a 27-model Prisma domain, Auth0, Kafka-based HubSpot synchronization, and CI-enforced unit, acceptance, and visual tests

Earlier Engineering, Consulting & Business Experience

2005 - 2021

Self-employed · Teist Soluciones · Informa D&B · Apple

Built production websites and e-commerce systems for clients in Spain and Venezuela, plus international food-industry clients; combined software engineering and business development at Teist Soluciones; worked in full-stack development at Informa D&B and customer-facing technical support at Apple Retail.

- Co-founded Teist Soluciones and built ERP, pricing, manufacturing, logistics, e-commerce, and web systems while helping expand the business into Europe
- Directed operations and technology through Venezuela's market crisis, reducing operating costs by roughly 70% and implementing ERP-based manufacturing traceability
- Delivered freelance web and e-commerce systems from 2005, followed by high-traffic full-stack work at Informa D&B and customer-facing technical support at Apple

EDUCATION

MSc in Computer Science

Autonomous University of Madrid (UAM), Madrid, Spain

BSc in Computer Science

Autonomous University of Madrid (UAM), Madrid, Spain

Computer Science · Erasmus scholarship

Roma Tre University, Rome, Italy · 2011 - 2012

CONTRACT DETAILS

Cyprus (EU) · Full US Eastern-hours overlap (9–5 ET)

International delivery: Spain · Venezuela · Sweden · US · UK · Cyprus

Portfolio and architecture case studies: www.alfonsocartes.com