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AI PRODUCT ENGINEER

Self-Directed Full-Stack Product Development with AI-Assisted Engineering

AI Product Engineer who ships production full-stack web and mobile apps solo: **10+** shipped end to end (spec → design → build → deploy) using AI-assisted engineering workflows, spanning paid client systems, consumer products, and internal tools. Microsoft product-management background drives PM-grade scoping, prioritization, and delivery.

CORE STRENGTHS

AI-Assisted Engineering: Rapid prototyping, product specification, full-stack implementation, Claude-assisted development, iterative shipping
Full-Stack Development: Next.js, React, React Native, Expo, TypeScript, Tailwind CSS, Supabase/PostgreSQL, Vercel
Product & UX: Product thinking, user-centered design, information architecture, behavioral psychology, 0→1 development

EXPERIENCE

Independent — AI Product Engineer / Full-Stack Product Builder 2024–Present

- **10+** production web and mobile applications shipped solo, as measured by deployed client systems and consumer products across **5** domains (fintech operations, health, productivity, branding, marketing), by owning the full lifecycle from spec and UX through implementation and deployment.
- Accelerated every successive build, as measured by reusable patterns carried across all projects (authentication, i18n, Supabase Row-Level Security, Anthropic Claude API integration), by architecting each app on a shared, battle-tested foundation.
- Delivered paid client work with zero traditional engineering support, as measured by production systems in active business use, by pairing PM-grade requirements scoping with AI-assisted implementation.

SELECTED PRODUCTS

- **Clinical Trial Payment Platform (Next.js, Supabase, i18n) —** production financial system for a Mexican clinical-trial operator: models USD→MXN conversion, 20/80 sponsor splits, provider commitments, and margin dispersion, with authentication and a full audit trail.
- **SparkenSolutions.com (Next.js 15, TypeScript, Tailwind v4) —** fully bilingual (EN/ES) production marketing site driving lead capture for an operating studio, with localized routing, SEO/sitemap/structured data, and an automated contact pipeline.
- **Andrea's Project Manager (Next.js 15, TypeScript, Supabase) —** full-stack productivity platform with real-time cross-device sync: hierarchical projects, recurring tasks, reminders, and focus mode on a Supabase backend.
- **Lunaria (React Native, Expo, TypeScript) —** mobile health app helping users surface correlations between menstrual-cycle phases and mood episodes, with onboarding, mood check-ins, and pattern detection.
- **Sparken Branding (TypeScript + Python) —** drag-and-drop document-branding tool enforcing brand consistency across PDF, Word, and Markdown deliverables, spanning a web front end and a Python processing layer.

PREVIOUS EXPERIENCE

Microsoft Corporation — Product Manager, Microsoft Advertising 2020–2025

- **$500K** in revenue in under **3 months**, by leading globalization and payment-system initiatives; partnered with engineers across payments, onboarding, subscriptions, and platform infrastructure.
- **6%** adoption growth, **250+** accounts onboarded, and **28%** fewer support escalations, through product improvements and self-service tooling.

EDUCATION

University of California, Los Angeles — B.S. Cognitive Science, Specialization in Computing 2017–2021

- GPA 3.75. Relevant areas: human-computer interaction, behavioral science, computing, data analysis, psychology of decision-making.

TECHNICAL SKILLS

Languages & Frameworks: TypeScript, React, React Native, Next.js, Expo, Tailwind CSS, SQL (basic)
Backend & Infrastructure: Supabase (PostgreSQL, Auth, Row-Level Security), Vercel, Netlify, Google OAuth, Clerk authentication
AI & Product Tooling: Claude API, AI-assisted development workflows, product specification, rapid prototyping
Other: GitHub, bilingual product development (EN/ES)