TIMOTHY CEVALLOS

Senior Full Stack Developer

+1 (239) 776-4510 • timcev@gmail.com • Remote — US / Global

[Portfolio](#) • [GitHub](#) • [LinkedIn](#)

SUMMARY

Senior Full Stack Developer with 7+ years of experience designing and delivering scalable, high-performance applications across AI/ML, SaaS, e-commerce, and enterprise platforms. Specialized in Next.js 15, React, Python (FastAPI), NestJS, RAG pipelines with vector search (Qdrant, pgvector), Stripe Connect payments, and multilingual systems (EN/ES/DE/FR/IT). Proven success building multi-tenant architectures, subscription billing engines, AI-powered support portals with streaming chat, and complex e-commerce automations. Strong focus on WCAG 2.1 AA accessibility, DevOps, DX, and maintaining clean, secure, extensible codebases.

CORE TECHNICAL SKILLS

Frontend: React, Next.js 15, TypeScript, Tailwind CSS, Alpine.js, Redux, Framer Motion, Chart.js, shadcn/ui
Backend: Python (FastAPI), NestJS, Node.js, PHP (Laravel, Zend, custom frameworks), WordPress/WooCommerce
AI / LLM: RAG pipelines, sentence-transformers, OpenAI & Anthropic API integration, Qdrant, pgvector, prompt engineering, hybrid semantic + keyword search, RRF ranking
SaaS & Systems: Multi-tenant architecture, Clerk auth, RBAC, subscription logic, idempotency tracking, audit trails
Payments: Stripe Connect, payouts, subscriptions, invoicing, checkout sessions, webhook lifecycle management
Databases: PostgreSQL, MySQL, Prisma, Redis, Qdrant vector DB
Infrastructure: Docker, CI/CD, AWS Lightsail, Cloudflare
Accessibility: WCAG 2.1 AA compliance, ARIA, keyboard navigation, screen reader optimization

AI & SAAS HIGHLIGHTED PROJECTS

AX AI Support Platform — *Next.js 15 • FastAPI • Qdrant • Redis • PostgreSQL • Docker*

- Architected a production-grade **RAG pipeline** using Qdrant vector DB + pgvector with sentence-transformers (all-MiniLM-L6-v2, 384-dim embeddings) for semantic document retrieval across a large knowledge base.
- Built **hybrid search** combining semantic vector search with keyword matching and Reciprocal Rank Fusion (RRF) for significantly improved result relevance.
- Implemented **AI-powered chat streaming** with support for multiple LLM providers (Ollama, OpenAI, Anthropic Claude), including lazy client initialization and centralized model configuration.
- Developed **intelligent recommendation engine** for fitness programs and supplements using vector similarity search with category filtering and fallback mechanisms.
- Built comprehensive **admin dashboard** in Next.js 15 with real-time analytics, prompt versioning system, embeddings management, and system monitoring tools.
- Engineered **customer support chatbot** with Zendesk ticket integration, conversational context retention, and configurable system prompts with dynamic context injection.
- Designed multilingual UI foundations and **security layers** with Docker containerization for production deployment.

Paganki SaaS Platform — *Next.js 15 • NestJS • Prisma • Stripe Connect • PostgreSQL • Clerk*

- Built **multi-tenant architecture** with Clerk authentication, RBAC, merchant onboarding, and isolated data access patterns across all API modules.
- Architected full **invoice lifecycle management** (draft → open → paid/voided) with Stripe Connect checkout sessions, custom payment recording, and automatic status transitions.
- Implemented **platform subscription billing engine** with Stripe webhooks handling the complete subscription lifecycle, plan change tracking, and MerchantPlanHistory audit trails.
- Designed **idempotency tracking system** (PlatformBillingAction) preventing duplicate operations during plan changes, with comprehensive audit metadata for compliance and debugging.
- Built **multilingual marketing + dashboard UIs** (EN/ES/DE/FR/IT) with robust NestJS API modules, guards, DTOs, and CI/CD workflows.
- Engineered customer management system with **Stripe Connect payouts**, invoice generation, and merchant-scoped data isolation.

PROFESSIONAL EXPERIENCE

Cevallos Systems — **Senior Full Stack Developer**
Remote • 2018–Present
- Engineered enterprise-grade platforms using PHP, React, Next.js, Laravel, and custom APIs, improving client performance by **40+ Lighthouse points**.
- Delivered **luxury website redesigns** (e.g., Walters Construction) transforming corporate sites into sophisticated, high-end presentations with modern typography, responsive layouts, and visual storytelling.
- Built complex **e-commerce automations** across WooCommerce and custom PHP platforms, including dynamic pricing, bundling logic, advanced checkout flows, and parking reservation systems with QR code generation.
- Eliminated **20+ cookie dependencies** in a WooCommerce parking reservation system by migrating to server-side WC session management, resolving race conditions and improving security.
- Developed **WCAG 2.1 AA compliant** calculators, forms, and interactive components with proper ARIA labels, keyboard navigation, skip links, and screen reader optimization.
- Architected backend systems for automations, reporting dashboards, cron-driven tasks, and API integrations across CRM, payment, and analytics systems.
- Created secure REST and PHP APIs for product catalogs, **tax calculators** with Chart.js visualizations, fulfillment workflows, and data synchronization.
- Led end-to-end project delivery including requirements gathering, UI/UX, architecture, DevOps, testing, and production rollout.

Nielsen — **Full Stack Developer**
Remote • Jan 2022–Jul 2024
- Built reusable, high-performance UI components using Alpine.js, Tailwind, and custom build workflows.
- Automated reporting workflows using Google Sheets data pipelines with dynamic chart generation, improving editorial efficiency.
- Developed internal tooling to streamline deployment, content management, and multi-team collaboration.
- Optimized site performance and SEO through code audits, accessibility improvements, and script restructuring.
- Conducted extensive QA, manual testing, and cross-browser validation to maintain platform reliability.

RCH Tech Solutions — **Full Stack Developer**
Remote • 2018–2022
- Led a complete **PWA redesign** that improved mobile performance, accessibility, and user retention.
- Developed high-traffic WordPress themes, plugins, and PHP APIs serving **100k+ daily visitors** (Athlean-X) with large content catalogs.
- Built a Laravel-based **browser video editor** that automated rendering and reduced production time.
- Implemented custom dashboards, analytics modules, and workflow automations supporting editorial and marketing teams.
- Delivered ongoing support, debugging, and performance tuning across a large suite of web properties.
- Worked in the Zend framework building MVC components and complex backend logic.

EDUCATION

Flatiron School — Full Stack Web Development Certificate

KEY ACHIEVEMENTS

- Built a **production-grade AI RAG support system** with hybrid search, multi-provider LLM support, and streaming chat serving real customer inquiries.
- Architected a **full multilingual subscription SaaS** with Stripe Connect, multi-tenant data isolation, invoice lifecycle management, and idempotency-protected billing.
- Increased web performance by **20–40+ Lighthouse points** across multiple client properties through code audits, caching strategies, and rendering optimization.
- Engineered **advanced PHP API integrations** for e-commerce, tax calculation, and third-party fulfillment systems.
- Achieved **WCAG 2.1 AA compliance** on interactive calculators and forms, including keyboard navigation, screen reader support, and proper semantic HTML.
- Delivered **dozens of high-impact client systems** across AI, SaaS, e-commerce, and enterprise platforms.