

Alfonso Fonseca

Full Stack Developer · Systems Engineer

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PROFILE

Systems engineer and full-stack developer with 6+ years building web products remotely for companies, agencies, and clients in Guatemala, Costa Rica, Puerto Rico, the U.S., Argentina, and Peru. Main stack: React, Next.js, TypeScript, Node.js, PHP/Laravel, and WordPress (custom themes and plugins), plus Python (Django/Flask) and Java (Spring Boot) as projects require. Experienced in e-commerce (headless, WooCommerce, Magento), payment gateways, GA4/GTM analytics, and DevOps (Docker, CI/CD, self-hosting), with AI built into the engineering workflow.

PROFESSIONAL EXPERIENCE

Full Stack Developer Jul 2022 — present

Tww · Full-stack web, e-commerce, and mobile apps · remote (Central America)

- › Modern web apps with React, Next.js, and Node
- › Headless e-commerce, Magento, and WooCommerce
- › APIs, payment gateways, Flutter apps, and GA4/GTM analytics

Web designer freelance Jun 2016 — Jun 2022

Web design, branding, and visual identity · agencies in Costa Rica, Puerto Rico, the U.S., Argentina, and Peru

- › Website design and user experience
- › Branding, logo design, and graphic art
- › Packaging and brand materials

Backend / Web API Developer Apr 2013 — Jun 2016

Freelance · Backend, APIs, e-commerce, and mobile apps · freelance for agencies (Costa Rica, Puerto Rico, the U.S., Argentina, and Peru)

- › PHP, WordPress, WooCommerce, and Magento
- › API, plugin, and payment gateway integrations
- › SEO/SEM and foundations in Node, React, Angular, and AWS

EDUCATION

Systems Engineering

Corporación Unificada Nacional (CUN) · 2026

Software Development Technologist

LANGUAGES

Spanish (Native), English (A1 conversational · technical written)

SKILLS

Frontend: React, Next.js, JavaScript, TypeScript

Backend: Python, Django, Flask, Node.js, Express, Java, Spring Boot, PHP, Laravel, NoSQL

E-Commerce & CMS: Magento, WooCommerce, WordPress

DevOps & practices: Docker, CI/CD, Git, SEM

SELECTED PROJECTS

Booking platform for a photography studio CLIENT

Redesign and rebuild of a Guatemalan photography company's booking site for its Christmas season: native theme without Elementor and a custom booking plugin, now live in production.

- › Per-package calendar with capacity, time slots, and monthly (pre-season) pricing
- › End-to-end flow: request, payment-proof upload, link-based approval, and HTML emails

WordPress · PHP · MariaDB · JavaScript · WP-Cron · Docker

Multi-app headless e-commerce CLIENT

Decoupled (headless) e-commerce platform serving multiple client apps from a central WordPress backend.

- › Headless WordPress as the single source of truth
- › Decoupled frontends consuming a REST API

WordPress headless · React · REST API

Sales-force mobile apps CLIENT

Mobile apps for sales force and delivery, with offline operation and multiple environments (dev, QA, production).

- › Offline work with sync
- › Environment flavors and signed builds

Flutter · Dart · Firebase

Multi-site measurement & analytics CLIENT

Interaction-based measurement and event delivery to GA4/GTM across a dealer website network.

- › Per-button and interaction tracking
- › GA4 / GTM integration and event verification

JavaScript · GA4 · Google Tag Manager

Bilingual NGO website CLIENT (NGO)

Custom site for a non-profit: online donations, bilingual content (EN/ES), and security hardening.

- › Custom theme/plugins; Stripe/PayPal donations with signed webhooks
- › EN/ES multilingual setup with Polylang

WordPress · PHP · Docker · Stripe · PayPal

Dockerized Laravel + Vite environments CLIENT

Dockerized development environments for a Laravel/Filament admin stack plus a Vite frontend, with a build pipeline.

- › Containers for Laravel/Filament backend and Vite frontend
- › Reproducible build and deploy pipeline

Laravel · Filament · Vite · Docker

Subscriptions & payments API

CLIENT · WIP

Subscriptions, roles, and billing-cycle backend with a Colombian payment gateway, built for a park/policy-style product.

- › JWT + refresh auth, roles, Helmet, rate limit, and audit trail
- › Plans, billing cycles, and documented ePayco integration

Node.js · Express · MySQL · JWT · ePayco

Multi-tenant SaaS (funeral services)

PRODUCT · WIP

Own multi-tenant product: clients, contracts, installments, payments, roles, and a platform admin panel with tenant isolation.

- › Postgres RLS + isolation tests across tenants
- › Stripe billing, Redis jobs, and transactional email

NestJS · Next.js · Prisma · PostgreSQL · Stripe

PickUP — Custom full-stack framework

PERSONAL

Hybrid framework (JavaScript + Python) to build dynamic sites and web systems, with layered architecture and a Python sidecar for specialized tasks.

- › TypeScript/Node core with React UI and Python sidecar
- › Monorepo with npm workspaces and a leveled roadmap (L0–L5)

TypeScript · Node.js · Python · React

AI-augmented development

METHODOLOGY

I use AI agentially in my daily engineering workflow: assisted coding, task automation, and agent orchestration—not just autocomplete.

- › Agentic coding with Claude Code and Cursor on remote servers (SSH)
- › MCP integrations (e.g. Atlassian/Jira) and custom tools

Claude Code · MCP · Cursor · LLM CLIs

AI report automation

PERSONAL

System that analyzes repository activity and generates progress reports in business language, with automatic email delivery.

- › Activity classified into wins and issues
- › AI writing and scheduled delivery via cron

Bash · LLM CLI · cron

Self-hosted homelab

PERSONAL

Personal self-hosted infrastructure across two servers: containers, web services, automated backups, and secure remote access.

- › Orchestration with Docker and Apache vhosts
- › SSH hardening + fail2ban, Wake-on-LAN, and rsync backups

Docker · Linux · systemd · Tailscale

DevVault — Local secrets manager

PERSONAL

Secrets and environment-link manager with encryption at rest and import/export compatible with known password managers.

- › Scrypt + Fernet; master key never persisted
- › CSV import from 1Password / Bitwarden / Keeper / KeePass

FastAPI · SQLite · cryptography · Docker

Nilo City — Browser city builder

PERSONAL · WIP

Web city-builder inspired by Pharaoh: campaign, sandbox, and shared client/server simulation (sim + API + front monorepo).

- › Simulation package usable in the browser and an authoritative API
- › httpOnly cookie auth, saves, campaign, build/trade flows

Phaser 4 · TypeScript · Vite · Fastify · PostgreSQL

More projects, details, and recommendations at alfonsofonseca.dev