

# Zack Whitson

## Full-Stack Software Engineer

Next.js | TypeScript | Python | PostgreSQL | AI-Enabled Applications

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### PROFESSIONAL SUMMARY

Client-facing full-stack software engineer with \$60K+ earned across 13 paid engagements since January 2026. Work spans Next.js, TypeScript, Python/FastAPI, PostgreSQL, APIs, billing, messaging, and search. Turns operational requirements into deployed web and AI applications and owns scoping, technical decisions, implementation, testing, deployment, production support, and stakeholder communication. Earlier experience includes independent product and automation work plus more than six years in operations roles. Uses AI throughout development while personally reviewing generated work and making release decisions.

### TECHNICAL SKILLS

**Full-Stack:** TypeScript, JavaScript, React, Next.js App Router, Tailwind CSS, Vite, Python, FastAPI, Node.js, PHP/Laravel

**Data, AI & Integrations:** SQL, PostgreSQL, Supabase, Prisma, Firebase, REST APIs, webhooks, Stripe, Twilio, OpenAI, Anthropic, Gemini, Pinecone, vector search

**Quality & Delivery:** Vitest, Playwright, Pytest, GitHub Actions, CI/CD, Docker, Vercel, Sentry, technical scoping, documentation, production debugging

### PROFESSIONAL EXPERIENCE

**Full-Stack Software Engineer | Independent Consulting (Self-Employed)** | Jan 2026-Present

**Upwork: Top Rated Plus | 100% Job Success | \$60K+ across 13 jobs | 5.0/5 (6 reviews)**

- Deliver scoped production work from plain-English requirements through technical planning, milestone estimates, implementation, demonstrations, documentation, release support, and production fixes. Explain technical options, cost, risk, and progress in plain language.
- Diagnose and correct production issues across authentication, webhooks, email delivery, API integrations, and role-based access while keeping clients informed in plain language.

**Confidential SaaS and API Platform** | Feb-Jul 2026 | *NDA; client and product withheld*

- Delivered a proprietary SaaS MVP through a six-month, \$35K+ engagement, implementing the defined contract scope across APIs, webhooks, dashboard workflows, and SMS and email integrations.
- Converted a defined product requirements document and ongoing client questions into scoped milestones and release decisions, keeping cost, risk, and progress visible across multiple paid phases.

**Clinical Documentation MVP** | Jan 2026-Present | *Client name withheld*

- Build a clinician-first documentation MVP using simulated data only, translating complex workflows into structured notes, editing and export, longitudinal history, and incremental releases across multiple funded phases.
- Identify data-model inconsistencies, workflow gaps, and edge cases, then propose and implement cleaner solutions in close collaboration with the clinician founder.

**Property Search and Semantic Retrieval** | Jan-Feb 2026 | *AI Search Engineer*

- Took over a stalled AI-search engagement, assessed the existing architecture, and delivered approved data and retrieval milestones within one month.
- Implemented listing-data structuring, natural-language-to-filter mapping, and Pinecone semantic retrieval while documenting tradeoffs and maintaining fast feedback loops with product and engineering.

### **Independent Product Engineer | CodeTruss ([codetruss.com/cli](https://codetruss.com/cli)) | Jul 2026-Present**

- Created and published a local-first TypeScript CLI that records before-and-after Git evidence, checks task scope and sensitive paths, runs deterministic repository checks, and produces PASS, REVIEW\_REQUIRED, or FAILED receipts before a pull request.
- Built the supporting Next.js/TypeScript product and release pipeline, and published Claude Code and Codex integrations, a CodeTruss-owned Homebrew tap, and a CodeTruss-hosted package installable with npm. Documentation is at [codetruss.com/cli](https://codetruss.com/cli) and source at [github.com/DeliriumPulse/codetruss-cli](https://github.com/DeliriumPulse/codetruss-cli).
- Own requirements, architecture, implementation, testing, documentation, deployment, and production debugging.

### **SELECTED ADDITIONAL CLIENT DELIVERY**

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#### **MMA Academy Management PWA | Jan-Mar 2026 | *Full-Stack Developer***

- Delivered and expanded a React/Firebase management PWA across two paid engagements, including role-based dashboards, QR check-in, member and gamification workflows, finance and store functions, AI-assisted features, admin configuration, offline use, and deployment.

#### **AI-Powered Construction Reporting PWA | Feb 2026 | *Full-Stack Developer***

- Recommended a PWA architecture instead of separate web and mobile builds to reduce expected cost and delivery time for field operations, then completed approved Phase 1 and code-delivery milestones for a voice-assisted reporting workflow within one week.

### **EARLIER PRODUCT & TECHNICAL DEVELOPMENT**

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#### **Independent AI Product Developer (Part-Time) | VETTR AI | Jan 2025-Feb 2026**

- Built and operated an independent Python/FastAPI and WebSocket product with XGBoost scoring, Telegram delivery, subscriptions, wallet/payment/access checks, third-party data integrations, and failure-aware recovery; owned deployment, monitoring, debugging, and user-facing operations.

#### **Independent Technical Projects | Part-Time | Jun 2017-Dec 2024**

- Built Python automation scripts, web scrapers, data-processing utilities, Telegram workflows, and small tools for personal use and occasional users while working full time in operations. This was project work and self-directed learning, not full-time software employment.

### **EARLIER OPERATIONS LEADERSHIP**

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#### **Route Sales Representative | Bimbo Bakeries USA | Apr 2020-Nov 2024**

- Managed inventory, scheduling, merchandising, service targets, and relationships across multiple retail accounts, resolving store-level issues and owning daily route performance for four and a half years.

#### **Store Manager | Casey's General Stores | Nov 2017-Nov 2019**

- Led day-to-day operations, employee scheduling and training, inventory, customer service, and escalation handling in a fast-moving store environment.

### **EDUCATION**

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#### **General Educational Development (GED) | Approximately 30 college credits completed**