

Zack Whitson

Full-Stack Product Engineer | AI, Automation & Data Systems

Missouri / Remote | zwhitson01@gmail.com | +1 (660) 654-0263 | linkedin.com/in/zwhitson | github.com/DeliriumPulse | upwork.com/freelancers/zackwhitson

PROFESSIONAL SUMMARY

Top Rated Plus full-stack product engineer with \$50K+ in Upwork delivery, 100% Job Success, and a long public GitHub trail dating back to 2017. I build complete systems: AI workflows, async Python bots, dashboards, payments/access control, data pipelines, and production web apps. Strongest proof: VETTR, a solo-built Solana intelligence product with public/free and premium Telegram access, XGBoost scoring, smart-money enrichment, token gating, payment verification, FastAPI/WebSocket APIs, and a Next.js product surface.

SELECTED IMPACT

- Solo-built VETTR: ~500-600 public Telegram members, ~90-120 private/token-gated users, 301 commits, ~30K first-party source/docs lines, asyncio delivery, Helius/Solana RPC, Nansen enrichment, XGBoost scoring, and SOL/VETTR payment verification.
- Built outage-aware premium enforcement after API failures caused false wallet-balance failures and private-channel removals; added grace-period behavior so valid users were not punished when upstream data broke.
- Modeled and served intelligence around 4,652 tracked token records and 2,164 creator/deployer records, including performance tracking, creator reputation, bundle/holder analysis, and user-specific signal filtering.
- Delivered paid client systems across AI education, field-service operations, healthcare documentation, inspection workflows, gym/PWA operations, Stripe/API integrations, reporting, and internal dashboards.

CORE STACK

Languages: TypeScript, JavaScript, Python, SQL, PHP, C#

Frontend: React, Next.js, Vite, Tailwind CSS, Radix UI, Framer Motion, React PDF, PWA/mobile workflows

Backend/Data: FastAPI, Laravel, PostgreSQL, Supabase, Firebase/Firestore, REST APIs, WebSockets, auth/RLS

AI/Data: OpenAI, Anthropic, Gemini, XGBoost, LangChain, vector search, Nansen, Helius, Alchemy, Birdeye, DexScreener, gRPC

Delivery: Playwright, Vitest, Jest, Sentry, GitHub Actions, Vercel, Docker, visual QA, production debugging

WORK EXPERIENCE

Freelance Full-Stack Product Engineer | Upwork | Jan 2026 - Present

- Turn ambiguous founder/client requirements into scoped milestones, database models, UI flows, backend APIs, integrations, deployment plans, and QA checks.
- Build across the full product surface: frontend, backend, auth, data modeling, reporting, file/PDF workflows, AI features, third-party APIs, and production fixes.
- Work directly with nontechnical and technical stakeholders to clarify requirements, explain tradeoffs, debug failures, and ship practical improvements under deadline.

Independent Software Builder | Self-directed technical projects | 2017 - Present

- Built public and private software projects across AI tooling, Telegram automation, crypto intelligence, dashboards, C# game/mod work, and full-stack web apps.
- Developed the VETTR and Nexus systems while learning live-data engineering, async Python, Solana infrastructure, ML scoring, and token-gated access from the ground up.
- Continued technical work during management-heavy years, bringing operations, communication, prioritization, and customer-problem-solving habits into engineering delivery.

SELECTED PROJECTS

VETTR Solana Intelligence Platform — Solo-built crypto intelligence product with public/paid Telegram signal delivery, asyncio workers, Nansen smart-money analysis, XGBoost scoring, token gating, wallet/payment verification, FastAPI APIs, WebSockets, and a Next.js platform.

VETTR Nexus Wallet Forensics — Python/gRPC Solana terminal for wallet tracking, linked-wallet investigation, PnL profiling, cluster analysis, live trade alerts, subscriptions, and history.

AI Education Prototype / SBIR Support — Next.js/OpenAI prototype and proposal-support work for an AI education platform tied to a Department of Education grant process; milestone approved through Upwork.

Operations, Inspection & Field-Service Apps — Production client systems for structured workflows, image/report generation, document/PDF output, customer access, admin dashboards, reminders, auth, storage, and API integrations.

PUBLIC SIGNALS

Top Rated Plus Upwork profile with \$50K+ earned and 100% Job Success, public GitHub proof-of-work since 2017, AI engineering reference library, C# multiplayer/modding project, Python automation tools, and Telegram/LLM projects.