

Ryan Lugg

AI ENGINEER AND PRODUCT BUILDER

Solo engineer shipping production software from design through deployment. Building full time since August 2026, with work spanning AI agents, multi-user SaaS, native iOS, payments, secure integrations, and automated trading infrastructure. Founder of Quantlabs LLC. Open to salaried AI engineering roles.

Jacksonville, Florida | 786-710-6166 | ryanlugg@gmail.com
ryanlugg.com | github.com/rxtrades | X @rxtrades

SELECTED SHIPPED SYSTEMS | 2026

QuantLab Journal Multi-user trading journal SaaS with accounts, P&L tracking, trade replay, mentor mode, leaderboard, and an AI coach. Built row-level security per table in a migration loop, a streamed chat proxy, and AES-256-GCM broker credential storage. TypeScript, Next.js, Supabase, PostgreSQL, Vercel. Solo build, design to deploy.	quantlabjournal.com	Good Word Reviews Review-generation service with SEO audits, cold email outreach, lead management, and payments. An SQLite state machine gates outreach on a computed audit fit score, with consent, suppression, and idempotent Stripe provisioning. Python, Cloudflare, Framer, Stripe, Telegram. Solo build through launch.	goodwordreviews.com
Herald Self-hosted push notification service and drop-in Hark replacement with live activities, Dynamic Island, and real APNs delivery. Hand-rolled ES256 JWT auth over raw HTTP/2, SQLite idempotency keys, and a retried callback queue. Node.js, Swift, Express. Server plus native iOS.	iOS app	RxT Research MCP Research agent for multi-source sweeps, social queries, and article parsing through a read-only MCP server. FastMCP wrapper over three CLIs with timeout-bounded subprocesses, per-platform fallbacks, and never-raise error handling. Python, Anthropic, Telegram. Solo MCP agent tooling.	personal tooling
quantlab.bot Product store and showcase for four trading bots, with live tape charts, a playbook guide, and a model education wiki. TypeScript, Framer, Cloudflare. Solo product and storefront.	quantlab.bot	Reset Health Gamified 60-day habit reset with RPG progression, boss battles, Whoop integration, and an animated arena. Python, HTML, CSS, SQLite, JavaScript. Web to iOS.	personal app

ENGINEERING OPERATIONS

Automated trading fleet TradingView and TradersPost webhooks, Discord and Telegram alerting, and nightly automated journaling across paper and evaluation accounts.	Validation harness vectorbt backtesting with explicit Sharpe, Monte Carlo, and trade-count promotion gates before event-driven validation.	Reliability launchd scheduled jobs on macOS with fleet health checks and automated recovery.
---	--	--

TECHNICAL STACK

LANGUAGES Python, TypeScript, JavaScript, Swift, SQL	FRAMEWORKS AND DATA Next.js, React, Node.js, Express, Tailwind CSS, Supabase, PostgreSQL, SQLite	AI AND AGENTS Anthropic Claude API, Model Context Protocol, agent tooling, retrieval and research pipelines	INFRASTRUCTURE Vercel, Cloudflare, launchd, Stripe, APNs
--	--	---	--

MANAGEMENT EXPERIENCE

Store Manager TJ Maxx, The TJX Companies Jacksonville, FL Apr 2024 to Aug 2026 Led daily operations across sales, customer experience, staffing, merchandising, freight, stockroom, cash controls, and loss prevention. Established routines that contributed to 3 percent sales growth within six months. Coached assistant managers, coordinators, and associates.	Assistant Store Manager TJ Maxx, The TJX Companies North Miami Beach, FL Jan 2020 to Apr 2024 Improved overall satisfaction from 84 to 88 percent year to date. Supported hiring, onboarding, scheduling, merchandising, inventory control, and loss prevention in a high-volume environment.	EDUCATION Florida International University Online Business Administration coursework, 2016 Sheridan Technical College Web Development Program, 2011 Miami Dade College Computer Science coursework, 2008 Current Building full time since August 2026. Founded Quantlabs LLC in Florida.
Apparel Department Manager Nike Sunrise, FL Nov 2018 to Jun 2019 Managed daily selling, service, staffing, and operations for the apparel department.	Assistant Store Manager Marshalls, The TJX Companies Pembroke Pines, FL Sep 2017 to Nov 2018 Led the store to rank first in the district for TJX Rewards credit-card memberships among 13 locations. Developed three associates into supervisor roles. Helped drive a 15 percent departmental sales increase.	