

Jaylon Malone

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GitHub: github.com/iFan6oy | Portfolio: flashaisolutions.org

Software Developer | AI Solutions Architect | Automation Engineer

Software developer who ships autonomous AI systems, RAG pipelines, public web tools, and enterprise automation to production. I work across Python, JavaScript/Node.js, Solana/Web3, and the Microsoft Power Platform. I currently operate a multi-service Hetzner VPS stack including public-facing developer tools, an autonomous AI agent running 24/7, a live RAG system over my own portfolio, and a real-money crypto trading engine. Every project below is shipped and running, not prototyped.

Core Technical Skills

- AI/LLM Integration (Claude API, OpenAI, Groq, xAI Grok, OpenRouter, Tool-Calling Agents, Multi-Agent Debate)
- RAG & Vector Search (LlamaIndex, ChromaDB, HuggingFace BGE Embeddings, Semantic Chunking)
- JavaScript/Node.js (Express, Trading Engines, WebSocket APIs, Telegraf Telegram Bots, Full-Stack)
- Web Scraping & Anti-Bot Detection (WAF/CAPTCHA identification: Cloudflare, DataDome, Akamai, Imperva, PerimeterX)
- Databases (SQL, SQLite w/ WAL, OData, ChromaDB, Solana RPC, JSON Pipelines)
- Abuse Prevention (IP-based Rate Limiting, SSRF Protection, Content Filtering, Session Validation)
- Frontend (HTML/CSS/JS, Real-Time Dashboards, Dynamic Theming, Responsive UI)
- Blockchain/Web3 (Solana, SPL Tokens, Jupiter, PumpPortal, DeFi Protocols, On-Chain Analysis)
- Python (FastAPI, HTTP Servers, REST APIs, Web Scraping, Multi-Source API Aggregation)
- DevOps (Linux VPS, PM2, Caddy/Nginx, Let's Encrypt, systemd, WireGuard, UFW, SSH, Hetzner)
- Microsoft Power Platform (Power Apps, Power Automate, SharePoint, Dataverse)
- Geospatial & Open Data (OpenStreetMap Overpass API, Nominatim, Zippopotam)
- SEO Infrastructure (Schema.org JSON-LD, Sitemaps, Open Graph, Search Console, Meta Optimization)
- Power BI, PowerShell, Git, Cron Scheduling, Production Deployment (Vercel, VPS)

Projects

OpenClaw - Autonomous AI Agent Platform

2025 - Present

Solo Developer • github.com/iFan6oy/openclaw

- Built an autonomous AI agent running 24/7 on a production VPS with a 30-minute think loop, persistent Markdown memory, and ~20 real tools (shell, HTTP, filesystem, crypto, Telegram, Twitter, Stripe, Grok research).
- Designed a safety architecture with a safe-tool whitelist for auto-execution, protected PM2 process list, read-only paths, and an operator approval queue for unsafe actions via Telegram.
- Implemented multi-model resilience (Claude Sonnet 4 primary, OpenRouter/Grok/local fallback) with a skip-the-cycle degradation path instead of silent model swaps.
- Deployed as four independent PM2 processes (agent, REST API with 13 auth-gated endpoints, Telegram bot, X/Twitter bot) for isolation and restart independence.

Flash Trader - Autonomous Crypto Trading System

2025 - Present

Solo Developer

- Built a multi-agent AI trading bot where Bull, Bear, and Judge agents debate each trade before execution, scoring opportunities across crypto and DeFi markets in real time.
- Added sentiment intelligence pulling from news feeds, whale wallets, social media, and political events to catch narratives before they move price action.
- Wrote a Fast Lane module for new Solana token launches with micro positions, trailing stops, and on-chain balance checks to recover stuck transactions.
- Integrated Jupiter Aggregator, PumpPortal, and Alpaca for cross-market execution with slippage protection, fallback routing, and real-money order handling.
- Live dashboard showing positions, P&L, debate logs, and sentiment gauges. Runs 24/7 on Hetzner with PM2 and a Caddy reverse proxy.

Proxy Checker - Developer Web Validation Suite

2026 - Present

Solo Developer • proxychecker.dev

- Built a free, no-signup developer tool suite with 10 integrated utilities: proxy validation, target-URL proxy testing, port scanner, scrape audit, HTTP header inspector, DNS lookup, SSL checker, IP lookup, ping, and MyIP detection.
- Developed a heuristic WAF/CAPTCHA detection engine identifying Cloudflare (including JS challenges and Turnstile), DataDome, Akamai Bot Manager, Imperva, PerimeterX, reCAPTCHA, and hCaptcha from response headers and body patterns.
- Shipped a target-URL proxy tester that classifies each proxy as working, blocked (with vendor attribution), or dead against user-supplied targets, a feature absent from every free competitor.
- Hardened with SSRF protection (private IP blocking), per-IP rate limiting, helmet security headers, and 500-proxy batch processing with configurable timeouts.
- Full SEO infrastructure (schema.org, sitemap, robots.txt, comparison landing pages) and reached 85+ unique visitors organically within one week via targeted community engagement.

Ask Flash AI Solutions - Live RAG Demo

2026 - Present

Solo Developer • rag.flashaisolutions.org

- Built a production RAG system over my portfolio site using a BeautifulSoup scraper, BAAI/bge-small-en embeddings, ChromaDB vector store, and Groq llama-3.3-70b for answer synthesis with cited sources.
- Shipped end-to-end in a few days: scraper, semantic chunking, embedding pipeline, FastAPI backend, custom chat UI, and HTTPS via Caddy and Let's Encrypt on a custom subdomain.
- Zero-cost stack (local embeddings, free-tier LLM, self-hosted vector DB) with sub-second query latency and source citations scored by relevance.

Lead Scraper - Multi-Source B2B Lead Generation

2026 - Present

Solo Developer

- Built a local business lead aggregator pulling from three free data sources in parallel: Brave Search scraping, OpenStreetMap Overpass API (140+ category tag mappings), and Nominatim name search with bounded viewbox.
- Designed a natural-language query parser that accepts inputs like "plumber Houston TX", "dentist 90210", or "bars 36619" with automatic zip-to-city resolution and source routing.
- Implemented contact enrichment that auto-populates missing phone numbers and websites via web search, plus email discovery through SSRF-protected website crawling (homepage, /contact, /about pages).
- Express + better-sqlite3 (WAL mode) backend with 10-minute in-memory result caching, search-scoped enrichment, and retry-with-backoff on rate-limited upstream APIs.

AI Companion Chat Platform

2026 - Present

Solo Developer

- Built a multi-persona AI chat platform with distinct character system prompts, 40-message rolling conversation context, and a shared conversation engine across web and Telegram clients.
- Integrated OpenRouter with multi-model fallback, custom session management, and analytics tracking (unique visitors, message volume, persona popularity, rejection reasons by category).
- Shipped a content safety layer: regex-based content moderation on both input and output, mandatory age-verification gate, session-token validation, and per-IP daily message caps with graceful degradation.
- Complete SEO stack: schema.org JSON-LD, Open Graph tags for link previews, sitemap.xml, robots.txt, Google Search Console verification, and dedicated comparison landing pages.

COD eSports AI (COD Intel)

2025 - Present

Founder & Developer

- Built an AI companion for competitive Call of Duty that pulls live stats, rosters, and match data from BreakingPoint.gg and other esports APIs.
- Created interactive map overlays with clickable callout positions for strategy tips, hardpoint rotations, and spawn logic.
- Grounded the LLM layer with verified competitive data so it gives accurate answers instead of hallucinating stats.
- Added push-to-talk voice input and text-to-speech for live watch parties. Designing as a sponsorship-ready product for CDL teams.

Personal Media Hub

2025 - Present

Solo Developer

- Built a full-stack media platform in Python that aggregates content from TMDb, Spotify, and live esports feeds into a unified interface with multi-source API orchestration.
- Created a multi-source search engine that queries four streaming APIs in parallel, deduplicates and scores results, with web scraping as a fallback.
- Added a CDL esports section with live standings and player stats, plus a profile system with per-user theming and widget visibility.

Flash AI Solutions

2025 - Present

Founder & Developer • flashaisolutions.org

- Founded an AI consulting company offering workflow automation, chatbot development, RAG systems, and strategy consulting to businesses across the country.
- Built the company site with a Claude-powered chatbot on a serverless Vercel backend with custom prompts and conversation memory.
- Maintains a live RAG demo and developer tools as client-facing proof of capability.

Professional Experience

Application Developer

April 2024 - January 2026

Mobile County Public School System | Mobile, AL

- Architected a Travel Reimbursement system with GL processing, audit trails, multi-stage approvals, and role-based security tied to cost centers.
- Built the SharePoint data layer for financial tracking, mileage calculations, and dynamic approval routing with email notifications.
- Created a Student Discipline Referral System with filtering tied to Office 365 directory attributes and an asset-tracking app for district equipment.
- Automated HTML-to-PDF generation for compliance, optimized OData queries with batching, and built Power BI dashboards from SharePoint and SQL sources.
- Wrote production-grade Power Automate flows with error handling, retry logic, and escalation rules.

Software Development Intern

May 2022 - March 2023

Keesler Federal Credit Union | Mobile, AL

- Built enterprise automation with UiPath and Power Platform, wrote SQL for reporting, and created Power BI dashboards for KPI tracking.
- Wrote PowerShell and VB scripts for system automation and support tasks.

Education

Bachelor of Science in Computer Science

University of South Alabama - 2023