

Kevin Masterson

FORWARD-DEPLOYED AI ENGINEER · DFW / REMOTE

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PROOF

2nd of 2,700+

Worldwide Vibes (Mar 2026) · 2nd at HackFW (May 2026)

Business Insider

featured, May 2026: teaching a 73-year-old to code with AI

33 min

silent failure to alarm, unattended (deadman fire drill)

414 merged PRs

agent fleet in production, 149 since June

Test first

dualstack 1,460 · credit API 1,154+ · gowork 1,808 · deadman 573 · lastrites 358 · datahub 220

SKILLS

AI / LLM

Generative AI LLMs RAG

AI Agents Multi-Agent MCP

Claude Claude Code OpenAI

Gemini FAISS Knowledge Graphs

Prompt-Injection Defense

ENGINEERING

Python FastAPI Next.js React

TypeScript SSE SQLAlchemy

REST APIs TDD Pytest CI/CD

CLOUD & RELIABILITY

Google Cloud Run Vertex AI

Firestore Secret Manager

Cloud Scheduler

Cloudflare Workers

Incident Response

BEFORE ENGINEERING

15+ years in high-touch hospitality (opening team, Catch Dallas) and film / TV (SAG-AFTRA): people-first operations behind the forward-deployed work.

SUMMARY

Forward-deployed AI engineer who ships **production agent systems** end to end: multi-provider LLM platforms on Claude, OpenAI, and Gemini, RAG, MCP agents, and monitoring that catches what a green dashboard hides. i build through AI pair programming with **Claude Code and a fleet of coding agents**, and i verify against the deployed system, not just the test suite. Stack: **FastAPI + Python, Next.js + React, Google Cloud Run + Vertex AI**. i embed with teams to turn frontier capability into shipped software.

EXPERIENCE

Independent AI Engineer · Self-employed

Jul 2025 to present · Remote

*Every change test-first and reviewed, behind fail-closed checks with audited bypasses: **414 merged PRs** on my production ops system, plus a capture-reliability doctrine written after a 24-day silent outage.*

- **deadman** (live on Cloud Run): silent-failure monitor with **Gemini on Vertex AI**, Firestore, Secret Manager, Cloud Scheduler. **573 tests**; fire drill alarmed in **33 min**, unattended. Curling the live service found a socket bug 568 tests and a security audit missed.
- **datahub-rail-agent** (public, Apache 2.0): monitoring agent over **DataHub's MCP server** with lineage-break triage, schema drift, delta-aware alerts, verdicts written back into DataHub. **220 tests, 90% coverage**; DataHub Agent Hackathon entry (Aug 2026) with a public demo video.
- **lastrites** (public, MIT): local-first credential watchdog; peppered-HMAC fingerprints find every copy of a secret across machines. **358 tests**; an 11-finding security audit fixed before merge.
- **CERBERRY**: three-repo content production and publishing toolset. Camera-card ingest with checksum-verified copies, multi-camera sync, speech-to-text, automated rough cuts, covers and captions; planning and operations layers schedule, review, and monitor. Two daily rails post via the **Metricool API** (one deterministic, one LLM-driven) behind a per-brand content firewall in code and an outside watchdog that alarms on silence. Also runs the Fort Worth DAO's social media presence, with a podcast in preproduction that will feature DFW tech professionals.
- **gowork.city** (public): civic AI workforce navigator, co-led after building it solo. Multi-provider LLM with **auto-fallback, FAISS + barrier-graph** retrieval, SSRF allowlisting, PII-safe logging; 1,391 backend + 417 frontend tests. **2nd of 2,700+** at Worldwide Vibes (Mar 2026), **2nd at HackFW** (May 2026).
- **dualstack** (public, MIT): open-source production SaaS foundation (auth, payments, uploads, WebSocket, monitoring), **1,460 tests / 95% coverage**. **credit-assessment** (public): FastAPI credit assessment API, **1,154+ tests, 100% coverage enforced**.
- Advised **Inertia Services**, the company founded by my student Shawn Sanchez, as a consultant.

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2025 to present

- Applied-AI curriculum with live booking, Stripe billing, and a student portal: **9 numbered lessons plus setup and a capstone**. Taught the workflow to a **73-year-old first-time coder**; featured in **Business Insider** (May 2026).
- Mentored Shawn Sanchez, now founder of Inertia Services.

HackFW 2026 Campaign Lead · Fort Worth DAO (volunteer)

2026 to present

- Lead the social campaign for the DAO's October hackathon: plan plus a research-backed budget with gated spend tiers. Run **@fwtx_dao**. Wrote the production kit proposal, approved and purchased **within the \$2,000 allocation**.