

Zachary Haynie

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I ship working software by directing AI coding agents. I am not a hands-on programmer and do not write the implementation code. What I do is decide what gets built, specify it precisely, judge whether the output is actually correct, catch it when it is not, and drive it through certification and deployment to something real. Three slot games, a live job-matching agent, and a local-first home assistant, all finished and running.

SELECTED PROJECTS

Sakura Storm · 6x5 slot game, Stake Engine

2026

- Payout model holds a 0.97 return across three bet modes with a 25,000x max win and a 1-in-400 bonus rate, verified over millions of simulated rounds.
- Passed independent front-end and math certification, now in final platform review ahead of release. Confirmed requirements with the platform up front rather than assuming them; the model still failed audit three times before passing, and I drove each revision.
- Diagnosed and fixed a mid-spin freeze in the front end within an hour of identifying it, a defect that would have cost player retention at launch.

Job Agent · live at zackhaynie.com/agent

2026

- Built an automated pipeline that polls public job-board APIs across a watchlist of companies, filters roughly 4,500 postings down to a few dozen with deterministic rules, then scores the survivors with Claude against a structured schema and drafts outreach.
- Runs daily on Vercel Cron against a Postgres store, with output public on the site. Drafts but never sends; volume auto-applying was a non-goal.
- Rejected the first working version: it rated every posting identically and generated openers claiming experience I do not have. Rewrote the scoring prompt until the model produced honest, varied, defensible assessments.
- Moved the non-negotiable accuracy rules out of the prompt and into code after the rewritten prompt still violated them once in forty attempts. Openers that overstate my background or name a tool I do not use are now discarded before publication rather than corrected. Source is public.

Jarvis · local-first home assistant

2026

- Architected so identity and memory live in a Python service rather than inside any one model, so swapping the underlying model does not reset what it knows.
- Routes by request type between a local GPU-hosted model and a cloud model with graceful fallback. Vision runs entirely on-device; camera data never leaves the house, set as a hard requirement rather than an optimization. Source is public.

Vault Legacy · 3x3 slot game

2026

- Complete math model and front end at a 0.965 return with a 10,000x cap across nine fixed paylines, not yet certified or launched. Set the constraint that payable, symbols and paylines are defined once and mirrored between the Python math model and the TypeScript client, so displayed odds can never drift from paid odds.

Client Websites · local businesses in Oklahoma

2026

- Designed and shipped fast, framework-free marketing sites for local trade businesses (septic, auto repair, concrete and excavation), built mobile-first for customers on poor connections. Freedom Septic is live at freedomsepticllc.com.
- Chose no contact forms by design: every call to action taps to call, text or email, matched to how a customer with an urgent problem actually reaches out. Handled domains, DNS, TLS and deployment on Cloudflare Pages.

PROFESSIONAL EXPERIENCE

Invoice Clerk

2022 to Present

DTH Construction

- Process, code and track vendor and subcontractor invoices from receipt through payment, ensuring accuracy and timely turnaround.
- Maintain accounts payable records, matching invoices against purchase orders and job costs, and resolve billing discrepancies with vendors and internal teams.
- Support the accounting workflow with data entry, reconciliation and reporting across active projects.

Laser Technician Assistant

2021 to 2023

Laser Design & Event Production

- Programmed custom laser designs and light shows for live events, including productions for the Oklahoma City Thunder (NBA).
- Built and adjusted laser layouts for events across the United States, tailored to each venue and client.
- Handled setup, calibration and alignment on site, hitting creative and timing cues live with no opportunity to correct a mistake after the fact.

Concrete Finisher / Laborer

2019 to 2022

Concrete & Construction

- Poured, placed, leveled and finished concrete for foundations, slabs, driveways and structural elements; set, braced and stripped forms and graded sub-base and reinforcement prior to pours.
- Operated power trowels, screeds, vibrators, mixers, plate compactors and saws, meeting surface specifications on deadline in varied weather.

TECHNICAL SKILLS

Directing AI	Claude API, structured output and tool use, prompt design and iteration, agent pipelines, evaluating and correcting model output, RAG and vector search
Languages	TypeScript, Python, JavaScript, Lua, HTML, CSS, SQL
Frameworks	Next.js, React, Svelte, FastAPI, Node.js, PixiJS and WebGL
Web development	Responsive mobile-first sites, static and server-rendered, performance and accessibility, domains, DNS, TLS and deployment
Data & infra	Postgres, Chroma, Ollama, Vercel, Cloudflare DNS and email routing, cron scheduling, environment and secret management, Git and GitHub
Game development	Stake Engine, slot math modelling, RTP and volatility tuning, Monte Carlo simulation, third-party certification, Roblox and Lua
Practice	Scoping and specification, debugging by bisecting behaviour, reading output critically, shipping to production

Live work, including the job agent running against real postings, at zackhaynie.com