

Ethan Stoner

CLOUD & SYSTEMS · FULL-STACK & AI PIPELINES

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EDUCATION & CERTIFICATION

Cal State San Marcos, B.S. Computer Science	Fall 2026 – 2030 (expected)
Anthropic: Claude API, Bedrock, Vertex AI, Model Context Protocol (Advanced), Agent Skills, Claude Code	2026
AWS Certified Cloud Practitioner (CLF-C02)	Exam in progress

TECHNICAL SKILLS

Languages	Python, TypeScript, JavaScript, SQL
Cloud & DevOps	AWS (ECS Fargate, RDS, ALB, WAF, Bedrock), Terraform, Cloudflare Workers, Docker, Linux
AI & Computer Vision	PyTorch, Hugging Face Transformers, YOLO11, ONNX, OpenCV, ComfyUI, Anthropic API, MCP
Web & Backend	FastAPI, Next.js, React, Node.js, REST APIs, WebSockets, Stripe Billing, Clerk Auth & RBAC
Data & Testing	PostgreSQL, SQLite, Redis, Cloudflare D1 & KV, Playwright, pytest, JUnit, GitHub Actions CI

EXPERIENCE

Landed, Founder & Solo Engineer landedcards.com 2026 – Present

- Built and deployed a card-pricing tool for card shops as sole engineer, across product, infrastructure and hosting: paste a TCGplayer list, get a shelf price for every condition, shipping included.
- Full stack on Cloudflare Workers, D1 and KV, with Clerk per-organization roles, Stripe billing wired but still in test mode, and an hourly cron sweep keeping shelf prices current.
- Pricing engine written **twice on purpose**, a Python reference and the production TypeScript port, with golden tests asserting they match byte for byte. **371 automated tests**.

Roblox UGC, Independent Creator 2025 – Present

- Design and sell 3D avatar accessories made with a local-GPU generation pipeline: **15,200+ sales and 344k Robux (~\$1.3k at the DevEx rate)** in the past year.

Riffyx Labs, Engineering Mentee 2025 – 2026

- Deployed a multi-provider GenAI gateway on AWS end to end, provisioning **~120 resources with Terraform** across ECS Fargate, RDS, ALB, WAF and Bedrock, with Guardrails and PII masking.

OPEN SOURCE: 50 PULL REQUESTS MERGED INTO REPOS TALLING 479K+ STARS

Astro	62.8k stars	Fallback routes corrupted any path segment that started with the locale code.
pandas	49.8k stars	qcut never validated q: a bad bin count raised the wrong error, or none at all.
Black	41.9k stars	Formatting from a notebook crashed: it assumed every stdout has a <i>.buffer</i> .
raylib	34.9k stars	<i>MatrixCompose</i> read back components it had just overwritten: wrong rotations.
Prefect	23.9k stars	Restored a retry backoff every caller had silently lost: jitter ignored the doubling.
45 more merges	925 – 42.8k	gods-eye-view, Vibe-Trading, fmt, Kivy, PyInstaller and 21 more repos.

PROJECTS

kvstore, Redis-Compatible Database Engine github.com/ethanstoner/kvstore

- LSM-tree key-value store in Java 21 behind a Redis-protocol TCP server: **~100K writes/s and ~130K reads/s** (JMH), with bloom filters answering missing keys ~90× faster. **209 tests**.

strata, Zero-Setup DICOM Viewer github.com/ethanstoner/strata

- One Rust binary turns a folder of CT files into a browser viewer with hand-written WebGL2 volume rendering. Slices order by scanner geometry, not file index — the wrong order renders fine and shows the wrong anatomy. **127 tests**.

Local LLM Lab, 7B LLM Performance & Interpretability github.com/ethanstoner/local-llm-lab

- A roofline from measured RTX 4090 ceilings traced slow decoding to KV-cache copies; a new attention path is **1.57× faster** at 16k context. Ablating one direction cuts refusal from 95% to 0–2.5%. **173 tests**.

Heart Disease Audit, Reproducibility Audit of a Popular ML Dataset github.com/ethanstoner/heart-disease-audit

- Traced a widely used Kaggle CSV to its UCI sources: its filled-in values encode the diagnosis, and undoing them drops typical accuracy from 86.4% to 79.3%. Pre-registered; **77 tests**.

aibackflip, Humanoid Backflip Learned From Scratch github.com/ethanstoner/aibackflip

- Physics engine in C++ and PPO in PyTorch, both from scratch. Lands **24 of 24** flips. **313 tests**.