

Eric Hoxworth

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SUMMARY

Senior software engineer who owns and ships complex, reliability-critical systems end-to-end, solo, with full autonomy. Recent focus: real-time platforms that can't fail silently, and integrating diverse third-party systems (EMR/FHIR, insurance eligibility, CRM/automation tools) into cohesive multi-tenant backends. Treats AI tooling as a daily working practice, not a novelty — used to move faster while keeping engineering judgment in the loop, not to replace it.

SKILLS

- **Languages & Frameworks:** Python, TypeScript, FastAPI / Flask / Django, Next.js / React, HTMX
- **Integrations:** Third-party API integration at scale — EMR/FHIR, X12 EDI eligibility, HubSpot, Asana, Make.com, LexisNexis, npm ecosystem
- **Reliability & Infrastructure:** Docker blue/green deploys, Datadog / Sentry observability, Celery / Redis / RabbitMQ, CI/CD, Cloud (AWS, Azure; comfortable ramping on GCP/Heroku)
- **AI & LLM:** Real-time voice AI (Pipecat), multi-agent orchestration, MCP servers, Claude / OpenAI API pipelines, agentic research harnesses — used daily to accelerate delivery
- **Ownership:** Sole architect/engineer on production systems from spec through deploy; comfortable scoping ambiguous problems without a detailed brief

WORK EXPERIENCE

Independent Software Engineer — AI Systems & Infrastructure | Remote (2024 - Present)

- **Third-party integrations at scale:** connected EMR and payer systems through custom MCP servers (OpenEMR / FHIR, X12 EDI eligibility checks), and wired HubSpot, Asana, Make.com, and LexisNexis into production workflows — each a different auth model, data shape, and failure mode to reconcile into one coherent platform.
- **Reliability under live load:** architected a real-time speech → LLM → speech intake pipeline (Python / Pipecat, Twilio/WebRTC) handling live inbound calls end-to-end with no room for silent failure; shipped the multi-tenant backend (FastAPI, Supabase, Celery / Redis) with Docker blue/green deploys and Datadog / Sentry observability.
- Took an ambiguous "make intake safe for non-technical staff to edit" problem and scoped/built the solution myself: a JSON decision-tree conversation engine with cycle detection, reachability, and function-registry validation, paired with a hybrid tree-plus-LLM design that keeps deterministic logic auditable.
- **e-prescribing platform:** owned architecture end-to-end for a distributed system coordinating orders between practices and pharmacies (Node/Express, FastAPI, Django), including controlled-substance and provider-credential validation (DEA checksum, rate-limited LexisNexis checks) and PII anonymization.
- Built real-time dashboards (Django Channels + Redis WebSockets) and async order processing (Celery / RabbitMQ) as a deliberate split once order volume and staff review load stopped scaling together.

Senior Software Staff Engineer | Leading EdTech Company | Remote (2014 - Present)

- Sole engineer owning support, development, and maintenance on a \$10M line of business — full autonomy, no hand-holding, while working to sunset the product.
- Built LLM-assisted data-ingestion pipelines to ramp new source systems quickly and generate schema-coherent anonymized test data — using AI to move faster on integration work, not to replace the engineering judgment behind it.
- Led full-stack development of a data-warehouse analytics platform for a leading educational-assessment company; drove data integrity, performance, and scalability across Python, Java, and SQL.
- Ramped onto and scaled a SaaS startup's engineering from 100 to 5,000 customers in under a year, contributing across the full stack, to a positive exit.

Freelancer | Upwork | Remote (2013 - 2024)

- Delivered 28+ contract projects spanning Python, DevOps, automation, and technical research — consistently ramping into unfamiliar codebases and shipping independently.

CTO | Healthcare Startup (Confidential) | Remote, TX (2016 - 2017)

- Owned all engineering for a healthcare data-integration platform handling pacemaker reporting and notification, architecture through a successful company exit.

Co-founder | Possync | Remote, TX (2011 - 2024)

- Built and launched a SaaS product connecting online stores to physical-store inventory systems, owning engineering end-to-end alongside product and go-to-market.

Senior Engineer | Dell, Inc. | Round Rock, TX (1997 - 2014)

- Led process-control and client/server test-engineering architecture across Dell's product line; awarded 7 software patents and drove a four-fold increase in factory throughput.

EDUCATION

Bachelor of Science in Computer Engineering | New Mexico State University (NMSU) | Las Cruces, NM (1997)

OPEN SOURCE

- Authored and published open-source Python API clients — `vendhq-api-python` and `3dcart-api-python` — REST bindings for commercial e-commerce platforms, used by other developers (starred on GitHub).
- Built `code_reviewer`, a local-LLM code-review CLI using Ollama, and `multisearch-api`, a FastAPI multi-engine search aggregator over headless Chrome.
- Contributed bug-fix patches to third-party projects, including npm's `copy-concurrently`.