

James Feeney

AI Engineer

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Summary

AI engineer skilled in agentic development who ships production systems with Claude Code and other CLI agents every day. Took Vacuums and More from zero online presence to **\$30,000 a month in online sales with no ad spend**, building the storefront, integrations, pricing engine, and agent workflows behind it. As general manager I also run pricing, purchasing, vendors, and staff, so I build for margin, inventory, and the people who use the tools.

Experience

AI Engineer / General Manager Vacuums and More (evacuumsandmore.com) Nov 2023 – Present

Sole engineer for Vacuums and More's three locations and general manager of its two Connecticut stores. The role grew from day-to-day operations into building the systems that run the business. Debugging and testing are part of every build: CI test gates, dry runs before any write, health checks that stop a job on stale data, and root-cause fixes, such as a stock write that reported success while 989 in-stock products sat unbuyable.

- Built a catalog and pricing engine that reprices **all 16,000 SKUs every 12 hours**, with a 20% margin floor, MAP price locks, and an automatic stop when its input data goes stale. Cut the weekly price check from 160,000 per-product requests to a few hundred.
- Imported **6 distributor catalogs (about 13,000 products)** with resumable Python pipelines built around each vendor's quirks: catalogs only inside dealer portals, data embedded as JSON in pages, cost visible only in a cart, and part numbers that didn't match the store's. 1,602 products from one vendor went live with zero duplicates, and 6,161 images were processed with zero errors.
- Ran content for a 16,000-product catalog with multi-agent waves of writer agents, adversarial review agents, and a pass/fail gate, verified against the live store. Rewrote **3,100 product descriptions** in 8 waves with zero regressions.
- Rebuilt technical SEO after a **1.91 out of 5 audit, raising the re-audit to 3.42**: structured data, a corrected 373-machine collection, cross-selling across 3,153 parts, and Google Analytics 4 tracking on 12 ecommerce events.
- Wrote 14 Claude Code skills and runbooks for store operations, and ran production on a DigitalOcean server: 12 Linux services and scheduled jobs, a Telegram operations bot, and deploys that stop on failing tests.
- Built tools for staff: a shift-report form that emails leadership and logs to Google Sheets, and a Clover and NCR customer sync into Shopify for email marketing.
- Trained 4 to 8 staff on the systems above.

Projects

Several codebases live in private repositories to protect the business's intellectual property. I'm glad to walk through the workflows in greater detail in conversation.

survive67.com TypeScript · Node · SQLite · Stripe · Solana · Base
Three AI agents (Claude, GPT, and Gemini) each get **\$67 and thirty days to earn real money**, verified by payment webhooks. Built the full harness: a double-entry ledger in integer micro-dollars, a metered LLM proxy, a server per agent, a Telegram operator bot, and a kill switch. Each agent holds crypto wallets on Base, Ethereum, Robinhood Chain, and Solana, with every transaction simulated before it signs, plus a debit card reconciled against the ledger.

Clover Sales Report Python · pandas · Clover API · WeasyPrint
A command-line tool that pulls orders, payments, and refunds from the three stores' Clover accounts and builds Excel reports plus PDF snapshot, year-over-year, and store-comparison reports. Handles API paging and rate limits, refunds made against earlier days' sales, and penny-exact splits of payments across items. Includes a golden-output test and a reconciliation against live data.

POS Customer Migration Python · REST APIs
Moved **25,206 customer records** between POS platforms, with a checkpoint every 500 records so the job could resume after any failure.

Skills

AI and Agents:	Claude Code · OpenCode · Codex CLI · Claude API · OpenRouter · custom Claude Code skills · multi-agent orchestration · MCP servers · LLM cost metering and guardrails
System Design:	discovery interviews before any build · scoped plans with a definition of done · tradeoff analysis · verification before shipping
Languages:	Python · TypeScript · JavaScript · SQL · Liquid · Bash · C++ and R (coursework)
Platforms and APIs:	Shopify Admin GraphQL and REST · Clover and NCR POS · Stripe · Telegram · Google Analytics 4 · Search Console · Merchant Center
Infrastructure:	GitHub Actions · DigitalOcean · Linux (systemd) · Docker · Railway · Fly.io · Supabase · PostgreSQL · SQLite
Data and Testing:	catalog ETL · browser automation (Playwright, Selenium) · pandas · pytest · Vitest

Education

B.A. Economics | University of Connecticut | 2020