

Full stack engineer who builds AI into client products and stays with them through production. Shipped an LLM agent that keeps 8,500 product labels and safety sheets current at 85% precision, and vision-model check-ins inside a patient engagement app. Works directly with the customer, from requirements through post-launch tuning.

US work authorized · open to remote (US) or relocation

EXPERIENCE

Full Stack Developer · Integrated Webworks

Sep 2024 – Present

Agency — ran client engagements end to end across ~50 codebases.

- LabelSDS — label and SDS management
- Replaced an estimated **\$4,000/month of manual review with \$100/month of infrastructure**. The platform guarantees customers that every product label and safety data sheet stays current. Built the LLM agent that keeps that promise across 8,500 products, at **85% precision and 350 products/day**.
 - **Tuned the agent against real customer data** to reach that precision, then built the review queue their compliance staff now works daily. The agent proposes, a person approves, and rejections feed the next iteration.
 - Designed two-tier retrieval: self-hosted **SearXNG** and **Playwright** first, escalating to **Serper.dev** only when needed. **GPT-4o-mini** ranks candidates, MD5 diffing discards unchanged files, and a daily rate budget caps cost.
 - **Ran the engagement end to end**. Scoped it with the client, wrote the requirements, priced four rounds of scope change, and delivered the rollout.
- MedSpark — patient engagement and medication adherence
- **Built the client's platform end to end**: Symfony 7 API and Expo React Native app, requirements through release. Shipped **GPT-4.1 vision** to validate photo check-ins and **gpt-image-1** to generate the reward artwork. The check only confirms that a pill is visible, and a manual path covers the rest.
- RenewCentral — multi-state insurance licensing
- Built the platform from the ground up on **Symfony 8**: license tracking across all US states, renewal deadline reminders, document storage, and carrier submission for insurance agents. Added **Stripe** subscription billing and the staging-to-production deploy pipeline.

Freelance Full Stack Developer · DateWithNovels

2022 – 2026

- Built and ran a production e-commerce store and its admin application for a direct client. **Next.js 16, React 19, Drizzle on PostgreSQL, Stripe Checkout and webhooks**, Resend, Cloudinary.
- **Worked with the client directly**: gathered requirements, set the roadmap, shipped releases, and handled production support.

PROJECTS

- **PunchStation** — facial-recognition time clock, **in production at a gas station, used daily by non-technical staff**. Faces are matched in the browser, and no photographs are stored, only **AES-256-GCM** encrypted descriptors. A punch only counts from an approved network on a registered tablet. **Deployed on site and trained the operators**.
- **MarketMiner** — multi-stage agent pipeline. **Claude Haiku 4.5** classifies Reddit pain points, **Sonnet 4.6** clusters them into a market report, and a human approves each stage. Ships **its own MCP server**, so Claude Code drives the pipeline as a tool.

SKILLS

AI SYSTEMS	Anthropic Claude API, OpenAI API (GPT-4o, GPT-4.1 vision, gpt-image-1), MCP servers, prompt engineering, retrieval pipelines, schema-validated output, human-in-the-loop review, agent evaluation, cost budgeting
INTEGRATIONS	REST integration and debugging, Stripe webhooks with signature verification, SAML 2.0 SSO, JWT, OAuth, third-party API onboarding
BACKEND	TypeScript, Node.js, Fastify, Python, FastAPI, PHP, Symfony 6–8, API Platform, BullMQ, Redis
FRONTEND	React 19, Next.js 16, TanStack Query, Tailwind CSS, React Native, Expo
INFRA	PostgreSQL, Drizzle ORM, Doctrine, Docker, GitHub Actions, DigitalOcean, Vitest

EDUCATION