

Full-stack engineer and AI implementation consultant with 12+ years building production web applications, cloud infrastructure interfaces, backend services, and operator-facing tools. Bridges durable product engineering with practical AI systems: LLM integrations, agentic workflows, retrieval and memory, evaluation, automation, observability, and secure deployment patterns that turn emerging AI capabilities into usable software.

SKILLS

AI Engineering: Terminal, Python, AI implementation, LLM orchestration, prompt engineering, RAG/retrieval, vector search, embeddings, tool calling

Agentic Systems: LangChain, LangGraph, MCP, ACP, OpenClaw, Codex, Claude Code, OpenRouter, agent safety, agentic harness evaluation

Automation & Observability: workflow orchestration, n8n, Discord bots, browser automation, Linear workflows, OpenTelemetry, SigNoz

Data & Messaging: PostgreSQL, MongoDB, Redis, RabbitMQ, Celery, SQLite, ChromaDB

Frontend: React, Next.js, React Server Components, Redux, Tailwind CSS, Carbon Design System, Zod, Vite, HTML/CSS, Sass

Languages & Web: JavaScript, TypeScript, Node.js, Flask, REST APIs, WebSockets, Socket.IO, Cloudflare Workers

Multimodal AI: ComfyUI, image generation/editing, RAW image processing, prompt-guided editing, high-dynamic-range visual refinement

Cloud / DevOps / Testing: Docker, Linux, Lima VM, Nginx, Apache, Git, GitHub Apps, Cloudflare AI Gateway, encrypted snapshots, audit logging, Playwright, Cypress, Jest, accessibility testing

SELECTED PROJECTS

AI Development Workflows

Linear-driven queues, GitHub App integration, agent coordination, and review/debug loops for autonomous software delivery.

Agent Reliability Harnesses

Benchmarked coding-agent runtimes and evaluated tool access, sandbox behavior, failures, and operational recovery patterns.

Multimodal AI Workflow

ComfyUI and RAW image-processing pipeline for prompt-guided photo editing and high-dynamic-range visual refinement.

EXPERIENCE

AI Implementation Consultant / AI Tooling Engineer

Jul 2025 – Present

AI tooling, implementation consulting, and prototyping | Austin, TX

- Designed practical LLM and agentic workflow systems for planning, coding, review, research, and operations, including building ClawFactory as a local control plane around OpenClaw for agent operations, snapshots, sync, and safety boundaries.
- Built AI tooling across agent orchestration, tool calling, layered memory, retrieval/search, runtime context injection, scheduled workflows, and human-in-the-loop approval flows.
- Integrated multiple model providers and coding-agent runtimes, including OpenAI-compatible APIs, OpenRouter-hosted models, local Ollama models, Codex, and Claude Code.
- Designed layered context and memory systems combining QMD/Markdown knowledge bases, Memory Wiki pages, compacted conversation summaries, SQLite-backed stores, embeddings, full-text search, and retrieval workflows.
- Hardened autonomous-agent operations with sandboxed execution, scoped agent tokens, least-privilege file access, secret isolation, approval gates, audit logs, encrypted snapshots, host sync, and restore/browse tooling.
- Architected autonomous AI development workflows with Linear-driven work queues, GitHub App integration, Symphony-style multi-agent coordination, and secure ClawFactory/OpenClaw runtimes for planning, implementation, review, and debugging.
- Built local multimodal AI workflows for photography and image editing, combining ComfyUI, RAW image processing, prompt-guided editing, and high-dynamic-range visual refinement.

Lead Software Engineer / Front-End & Full-Stack Engineer

Jul 2021 – Aug 2025

VMware at IBM Cloud — Persistent Systems / IBM | Remote

- Implemented and maintained React/Redux-based UI and frontend data flows for VMware at IBM Cloud across Gen1 and Gen2 enterprise cloud product experiences.
- Built cloud provisioning, configuration, account-management, and infrastructure workflow surfaces used by enterprise customers.
- Reimplemented product pages and workflows during the Gen1-to-Gen2 transition using reusable UI patterns, IBM Carbon/design-system components, and maintainable frontend architecture.
- Wrote and maintained Cypress end-to-end/unit tests, accessibility checks, and accessibility-focused bug fixes for core enterprise cloud product flows.
- Performed dependency, platform, and security maintenance, including Node.js and frontend package updates to reduce CVE exposure and keep production pages current.
- Acted as an early tester and adopter of IBM's internal Watson Code Assist tooling, helping teammates evaluate and incorporate AI-assisted development workflows.

Full-Stack Product Engineer / UI Architect

May 2014 – Dec 2019

Infinite IO | Austin, TX

- Served as the sole full-stack UI engineer for a network storage accelerator startup, owning the primary admin console, dashboard, operator workflow experience, frontend architecture, and supporting Python/Flask backend services.
- Developed real-time statistics dashboards with live updates, multiple time resolutions, history navigation, and rich visualizations for storage and performance data.
- Built a log-browsing and diagnostics interface with histogram views, filtering, sorting, live updates, and infinite scroll to help operators troubleshoot production issues.
- Implemented WebSocket/event-driven UI behavior with Socket.IO and task offloading with Celery to reduce manual refresh and CLI dependence.
- Built Flask endpoints and REST-style services plus authentication, privilege management, degraded-mode handling, and resilient error states for production appliance environments.

Frontend Web Developer

Sep 2013 – Feb 2014

The Advisory Board Company / CRIMSON | Austin, TX

- Built JavaScript, HTML5, and CSS data widgets for healthcare analytics applications within a large distributed engineering team.

Front End Web Developer

Jul 2012 – Jul 2013

MyEdu | Austin, TX

- Maintained landing pages, marketing pages, product bug fixes, cross-browser compatibility, and A/B testing-oriented frontend work for a multi-million-user education platform.

EDUCATION

Bachelor of Science in Communication

Clarkson University — Potsdam, NY | 2012