
CHRISTOPHER JOHN GENTILE

AI ENGINEER & AI CONSULTANT | PRODUCTION AGENTIC SYSTEMS | LLM/RAG | AI AUTOMATION

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SUMMARY

AI engineer and consultant who designs and ships production AI products, agentic workflows, and automation platforms across Anthropic Claude, OpenAI, and Google Gemini/Vertex AI. Builds multi-agent orchestration, RAG and MCP systems, browser and voice automation, multimodal pipelines, and AI-native website production systems. Delivers complete client and internal systems - from discovery and architecture through implementation, testing, visual QA, deployment, and monitoring - through NewDawn AI and Prime Marketing Experts, backed by 17 years translating enterprise business goals into working technology.

TECHNICAL SKILLS

Agent Engineering: LLM application architecture, RAG, embeddings, vector search, AI agents and multi-agent orchestration, subagents, tool/function calling, structured outputs, evals, SSE/WebSocket streaming, lifecycle hooks, persistent project memory, MCP

Anthropic / Claude: Anthropic API, Claude Code (Agent SDK, Agent Skills, subagents, hooks, MCP), Claude on Amazon Bedrock, Claude on Google Vertex AI

OpenAI: OpenAI API, Agents SDK, Responses API, GPT-4o/GPT-5-class models, Codex CLI, custom agent roles, lifecycle hooks, MCP servers, project memory, Whisper STT, TTS

Google Cloud / Gemini: Gemini Enterprise, Gemini API and Google Gen AI SDK, Gemini CLI, Google Antigravity, Vertex AI, Google Cloud OAuth and grounding; Google Cloud Generative AI certified

AI Product & Site Engineering: multi-page AI website generation, design systems, branded content, generated image/video/audio assets, media provenance, SEO automation, Schema.org, headless CMS, functional and visual QA, deployment and hosting checks

Creative & Multimodal AI: Flux via fal.ai, Higgsfield image/video/audio/3D, Blender 3D with Python/bpy via MCP, Google Stitch, sharp image pipelines, Retell AI, TTS/STT, Sanity, Webflow

Languages / Frameworks: Python, TypeScript, JavaScript, SQL, Bash; React 19, Next.js 16, Node.js, Express, REST APIs, Tailwind CSS

Automation / Infrastructure: chrome-agent, Playwright, Puppeteer, Stagehand, Browserbase, visual QA, supervised workflows, real-time dashboards, Docker, CI/CD, GitHub Actions, Linux, PostgreSQL, Redis, Supabase, SQLite, Cloudflare Workers, AWS, GCP

PROFESSIONAL EXPERIENCE

Prime Marketing Experts | AI Engineer & AI Consultant

January 2026 - Present | Remote, New Hampshire | held alongside the independent practice below

AI engineer and consultant embedded in a full-service marketing agency, designing the AI adoption strategy and personally building the production systems that execute it.

- **Voice AI agents (Retell AI + Claude):** built 24/7 inbound receptionist and lead-qualification voice agents with website-crawled knowledge-base grounding (mid-call RAG), live calendar booking, and Claude-powered post-call analysis: transcript to intent extraction, urgency scoring, CRM write, hot-lead alerts, and automated SMS/email nurture; productized as tiered AI service packages for real-estate agents, plus an outbound calling agent for lead reactivation
- **Multi-agent prospecting platform (Claude Agent SDK):** buyer-intent signal harvesting across Facebook, LinkedIn, and Nextdoor, contact enrichment from public records, and AI-generated landing microsites with generated imagery, voice outreach, CRM automation, and Cloudflare deployment
- **Creative asset automation:** audited 256 images across a client's Webflow property, built an optimization pipeline (274MB to 36MB, 87% reduction), then wrote Playwright automation that batch-replaced 153 assets inside Webflow Designer, cutting site bandwidth about 90% and restoring uptime
- Delivered a 102-page production website rebuild (Next.js 16, TypeScript): 12 service pages, 31 blog posts, 9 industry pages, 4 case studies, Schema.org markup, and script-generated SEO metadata
- Produced production site imagery with Flux via fal.ai and generative page templates with Google Stitch; selected and deployed Fireflies.ai meeting intelligence across the agency
- Integrated an AI chatbot and Retell AI voice receptionist into the production site with Sanity and email automation; built and deployed a second agency site on Cloudflare Pages with pricing tiers, review response automation, and lead capture

NewDawn AI (Self-Employed) | Freelance AI Developer & Consultant

June 2021 - Present | Remote, New Hampshire | ran concurrently with sales roles through 2024; full-time since late 2025

Independent practice building AI and automation systems for clients; since 2023, centered on production LLM systems across Claude, OpenAI, and Google Gemini.

- **AI-native website-generation factory:** building a high-throughput system that turns structured business briefs and research into business-specific, multi-page websites; coordinates agent roles for content, design direction, code assembly, generated media, functional and visual QA, provenance, deployment, and hosting checks as part of an active production program targeting hundreds of sites
- **Agentic browser-automation platform:** multi-source harvesting across 8+ web platforms, LLM scoring of 4,000+ records, generation of 2,400+ tailored structured-document packages, and nearly 1,000 supervised end-to-end multi-step form workflows with email-verified confirmation and a real-time monitoring dashboard, eliminating an estimated 800+ hours of manual work
- **Multi-platform agentic engineering:** builds and operates systems across Claude, OpenAI, and Google Gemini using Claude Code, OpenAI Codex, Gemini CLI, Google Gen AI SDK, Vertex AI, Antigravity, MCP, Playwright, and Stagehand; configures role-based agents, lifecycle hooks, tool servers, browser workflows, visual QA, and real-time monitoring
- **Ten production AI web applications** (React 19, TypeScript, Claude API + OpenAI models), live at jdgafox.github.io, including a multi-agent orchestrator with SSE streaming, a RAG document-intelligence tool, an AI code-review agent, a voice assistant, and an autonomous browser agent
- **Generative media and 3D pipelines:** image, video, audio, and 3D generation with Higgsfield and Flux, including motion control, upscaling, reframing, background removal, and scripted Blender automation via MCP

CERTIFICATIONS

Anthropic Academy, all 17 certificates (complete Claude and applied-AI curriculum): Claude, Claude Code, Anthropic API, MCP + MCP Advanced, Subagents, Agent Skills, Claude Cowork, Bedrock, Vertex AI, and the six-course AI Fluency track

Additional coursework: IBM (AI, Generative AI, Prompt Engineering), DeepLearning.AI, Google Cloud Generative AI, SQL and statistics.

PRIOR EXPERIENCE

Enterprise Technology Sales (17 years): Juniper Networks, Check Point Software, NTT Security, TÜV Rheinland, Infradata, Myriad360, and PC Connection (2005-2024), guiding engineers, architects, and CIOs from technical discovery through deployment; record-high direct sales, Americas region, at NTT Security. Direct domain knowledge for AI products serving enterprise IT, security, and infrastructure buyers.

Education: Visible Edge Training Institute, AI Development & Business Consultation Program, Apr - Oct 2024 (full-time immersive: applied AI, ML, full-stack engineering) | **Portfolio:** jdgafox.github.io, 10 production AI applications | github.com/jdgafox, 130+ repositories | PrimeMarketingExperts.com, 102-page production site