

Christopher J. Gentile

AI Engineer & Full-Stack Software Developer

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SUMMARY

AI Engineer and Full-Stack Developer with deep hands-on experience building autonomous software systems, web applications, and data-driven platforms. Skilled in Python, TypeScript, React, Next.js, and modern AI/ML tooling including large language models, multi-agent orchestration, and browser automation. Proven ability to ship production software rapidly — from initial concept to deployed application — across web development, algorithmic trading, marketing automation, and AI-powered tools.

CERTIFICATIONS

Artificial Intelligence & Machine Learning - IBM — Introduction to Artificial Intelligence (Honors) - DeepLearning.AI — AI for Everyone (Andrew Ng) - Artificial Intelligence: Algorithms, Models and Limitations — Certificate of Completion - Artificial Intelligence Ethics in Action — Certificate of Completion - Ethics in the Age of AI — Specialization Certificate - AI Data Fairness and Bias — Certificate of Completion - AI Privacy and Convenience — Certificate of Completion - AI for Business (AI 101 for Managers) — Certificate of Completion

Generative AI & Prompt Engineering - Generative AI: Google AI Platform, Google Cloud & Google Gemini — Certificate of Completion - IBM — Generative AI: Prompt Engineering Basics - IBM — Professional AI Developer: Prompt Engineering

Data Science, Programming & Software Engineering - IBM — Introduction to Software Engineering - The Python Bible — Comprehensive Python Programming - The Complete SQL Bootcamp — Relational Databases & Querying - Statistics for Data Science and Business Analysis - ChatGPT for Data Analysis in Python

Anthropic Academy — Claude Platform & API (April 2026) - Claude 101 — Certificate of Completion - Claude with the Anthropic API — Certificate of Completion - Claude with

Amazon Bedrock — Certificate of Completion - Claude with Google Vertex AI — Certificate of Completion

Anthropic Academy — Agentic Systems & Claude Code (April 2026) - Claude Code 101 — Certificate of Completion - Claude Code in Action — Certificate of Completion - Introduction to Agent Skills — Certificate of Completion - Introduction to Subagents — Certificate of Completion - Introduction to Claude Cowork — Certificate of Completion

Anthropic Academy — Model Context Protocol (April 2026) - Introduction to Model Context Protocol — Certificate of Completion - Model Context Protocol: Advanced Topics — Certificate of Completion

Anthropic Academy — AI Fluency Series - AI Fluency: Framework & Foundations — Certificate of Completion - AI Fluency: AI Capabilities & Limitations — Certificate of Completion - AI Fluency for Educators — Certificate of Completion - AI Fluency for Students — Certificate of Completion - AI Fluency for Nonprofits — Certificate of Completion - Teaching the AI Fluency Framework — Certificate of Completion

TECHNICAL SKILLS

AI & Machine Learning: Large Language Models (LLM), Generative AI, Natural Language Processing, Prompt Engineering, Fine-Tuning, Retrieval-Augmented Generation (RAG), Vector Databases, Embeddings, Semantic Search, AI Agents, Multi-Agent Orchestration, Computer Vision, Deep Learning, Transformer Architecture

Programming Languages: Python, TypeScript, JavaScript, Bash, SQL

Frameworks & Libraries: React 19, Next.js 16, Node.js, NestJS, Express, Vite, Tailwind CSS

AI Platforms: Anthropic Claude (Code, API, Agent SDK), OpenAI GPT, Google Gemini, DeepSeek, Groq, Hugging Face, OpenRouter

Automation & DevOps: Playwright, Puppeteer, n8n, Make.com, Zapier, MCP Protocol, Docker, Kubernetes, CI/CD Pipelines, GitHub Actions, Linux Administration, systemd

Databases & Cloud: PostgreSQL, Redis, Supabase, Firebase, SQLite, Prisma ORM, Railway, Netlify, Cloudflare Workers, AWS, Google Cloud Platform

Development Tools: Claude Code, Git, REST APIs, GraphQL, WebSocket, Server-Sent Events, Microservices Architecture, Agile/Scrum Methodologies

PROFESSIONAL EXPERIENCE

Independent AI Engineer & Full-Stack Developer

October 2025 — Present | Remote, New Hampshire

Autonomous Job Application Pipeline *Python, Playwright, Claude API, Supabase* - Engineered an end-to-end system that scouts 8 job platforms, AI-scores over 1,000 listings, generates tailored proposals, and auto-submits applications via headless browser automation

- Achieved 12+ successful bid submissions across LinkedIn and Reddit in first live session -
Built real-time monitoring dashboard deployed on Netlify with Supabase backend

Algorithmic Trading Platform *Node.js, Next.js, PostgreSQL, Hyperliquid DEX* - Developed a multi-strategy trading engine with circuit breakers, regime detection, and automated risk controls - Built full SaaS frontend with real-time dashboard, strategy leaderboard, and dark mode interface - Maintained 99.97% application uptime with 89% automated test coverage and rollback capability

10 Production AI Web Applications — jdgafx.github.io *React 19, TypeScript, Claude API, Netlify*

#	Application	Description
1	Multi-Agent Orchestrator	4 concurrent AI agents with real-time SSE streaming
2	RAG Document Intelligence	PDF parsing with relevance-scored retrieval
3	AI Code Review Agent	Inline severity annotations and auto-fix suggestions
4	Voice AI Assistant	Speech-to-text and text-to-speech AI integration
5	AI Data Analyst	CSV upload with auto-generated data visualizations
6	LLM Playground	Multi-provider model comparison and testing
7	Content Pipeline	Automated content generation and scheduling
8	Vision AI	Image analysis and object detection interface
9	AI SaaS Starter	Full-stack SaaS template with auth and billing
10	Browser Agent	Autonomous web browsing and task execution

YouTube Transcript Extractor *Next.js, TypeScript, Cloudflare Workers* - Built web application for batch YouTube transcript extraction with serverless backend for parallel processing

Client Work — Web Development & AI Integration

January 2026 — Present

PrimeMarketingExperts.com — Full Website Rebuild *Next.js 16, TypeScript, Tailwind CSS, Resend API* - Delivered a 102-page website with pixel-accurate visual fidelity using AI-assisted content migration - Implemented 12 service pages, 31 blog posts, 9 industry pages, 4 case studies, and dynamic SEO metadata with Schema.org markup - Built responsive navigation with multi-level dropdowns, mobile menu, and lead-capture contact form

PrimeMarketingExperts.com — AI-Enhanced Website *Next.js 16, TypeScript, Tailwind CSS, Sanity CMS* - Developed a modernized version with AI chatbot integration, voice receptionist

service pages, and predictive analytics - Added headless CMS for client self-service content editing and email automation tools

AI-Powered Marketing Agency Website *Next.js 16, TypeScript, Tailwind CSS, Cloudflare Pages* - Built a 10-service marketing agency site with AI chatbot, voice receptionist, Google Business optimization, and automated review response system - Implemented conversion-focused pricing tiers, blog, and lead capture

TOOLS & WORKFLOW

Primary development environment is Claude Code with multi-agent orchestration for complex tasks, multi-provider LLM routing via OpenRouter, and MCP Protocol for tool integration. This workflow enables rapid prototyping and delivery across full-stack web development, AI systems, and automation projects.

PRIOR PROFESSIONAL EXPERIENCE (Enterprise Technology Sales — 17+ years)

Before transitioning to AI engineering and full-stack development in late 2025, Chris built a 17-year career in enterprise technology sales spanning networking infrastructure, cybersecurity, and cloud solutions. This background provides deep domain knowledge for AI products serving enterprise IT, security, and infrastructure markets.

Visible Edge Training Institute

AI Development & Business Consultation Program | May 2024 — February 2025 | Nashua, NH - Completed a full-time immersive AI development and business-value consultation program — formal coursework and mentorship preparing for the pivot from enterprise sales to applied AI engineering - Bridge between long enterprise sales career and current independent AI engineering practice

Myriad360

Enterprise Account Executive — New England Region | December 2023 — April 2024 | Nashua, NH - Supported network and datacenter infrastructure, cybersecurity, cloud, and enterprise AI requirements for Myriad360's clients in New England

Check Point Software Technologies, Ltd.

Territory Account Manager — New England Strategic Sales | February 2022 — January 2024 | Nashua, NH - Helped New England enterprises solve security challenges through Check Point's cloud security, endpoint security, email security, and edge/datacenter firewall portfolio - Delivered solutions through skilled service-partner channel ecosystem

NTT Ltd. — NTT Security

Cybersecurity Sales Manager — Northeast | April 2021 — February 2022 - Led cybersecurity sales for the Northeast region covering SOC-as-a-Service, Industrial

Cybersecurity (OT/IOT), security device and SIEM management, and security & compliance consulting - Frameworks: NIST-CSF, NIST-RMF, MITRE ATT&CK, ISO 27001, HIPAA / HITRUST - Recognized by colleagues for technical depth and contribution to record-high direct sales numbers in the Americas region (see written letters of recommendation in portfolio)

TÜV Rheinland North America

Enterprise Field Executive — East Region | June 2019 — April 2021 | Nashua, NH - Advised US-based financial services, healthcare, and higher-education organizations on cybersecurity and cloud-infrastructure risk - Conducted gap assessments across complex enterprise environments and drove remediation engagements

Infradata

Senior Field Account Executive | January 2018 — May 2019 | Greater Boston Area - Delivered full core-to-edge cybersecurity, core networks, and cloud networking solutions - Solution domains: VPN, next-generation firewalls, professional and managed services

Juniper Networks

Commercial Account Manager | December 2013 — December 2017 | Westford, MA - Managed commercial accounts across the Eastern region and Texas, selling service-provider-grade routing, switching, firewall, and virtual networking - Grew install base through ongoing customer cooperation and strategic territory development

PC Connection

Senior Executive Account Manager | May 2005 — February 2011 - Consultative selling to IT directors, CIOs, CFOs, and IT administrators across servers, networking, storage, and managed/onsite services - Acquired new business and grew existing accounts with focus on TCO, ROI, and proper-fit solutions

EDUCATION

Self-directed specialization in Artificial Intelligence, Machine Learning, autonomous systems, and full-stack software engineering. Continuous professional development through applied production development, open-source contribution, and hands-on research across 65+ projects.

Areas of Specialization: - Applied Artificial Intelligence & Machine Learning - Generative AI, Prompt Engineering & Large Language Model Systems - Full-Stack Software Engineering (Python, TypeScript, React, Next.js) - AI Ethics, Fairness, Bias, and Responsible AI - Data Science, Statistics, and SQL - Autonomous Systems & Multi-Agent Orchestration

See full certification list above (21+ professional certificates, including 17 Anthropic Academy).

PROFESSIONAL AFFILIATIONS

▶ **GitHub Developer Community** — Active contributor (github.com/jdgafx, 65+ repositories)

▶ **Open Source Community** — Contributor to AI tooling and automation projects

PORTFOLIO & WORK SAMPLES

▶ **Live Portfolio:** jdgafx.github.io — 10 production AI applications

▶ **Source Code:** github.com/jdgafx — 65+ repositories demonstrating full-stack and AI development

▶ **Client Work:** PrimeMarketingExperts.com — 102-page production website

Available for full-time employment | 603-351-1299 | cnjgentile@gmail.com