

Chris Cordaro

Full-stack AI Engineer · Program Manager · Technical Founder

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PROFESSIONAL SUMMARY

Full-stack AI engineer, program manager, and technical founder with 10+ years building enterprise data systems, generative-AI platforms, and autonomous agentic workflows for federal and defense clients. Sole architect of three production SaaS products — federal opportunity monitoring with LLM-driven scoring and RAG, multi-agent competitive-intelligence report generation, and a cross-platform AI product catalog. Designed and deployed multi-agent orchestration systems with autonomous task planning, tool-use coordination, and persistent memory. Deep federal domain expertise (FAR/DFARS, FedRAMP, CMMC, Shipley) paired with program management of teams up to 16 and coordination of \$300M+ in federal funding.

PROFESSIONAL EXPERIENCE

Senior Associate — Program Manager & AI Engineering Lead Knowesis Inc.

Oct 2025 – Present
Raleigh, NC

- Leads a 16-person team on the Health Readiness Policy & Oversight contract across the Military Health System.
- Built a full-stack federal solicitation-monitoring SaaS from scratch — Python/FastAPI, PostgreSQL + pgvector, Docker, Cloudflare Zero Trust — with AI composite scoring, 4-level source dedup, and multi-source aggregation.
- Shipped a RAG copilot with intent classification, hybrid retrieval (full-text + vector), and streaming LLM synthesis across 50K+ federal solicitations.
- Architected a multi-agent competitive-intelligence pipeline: a 4-phase autonomous workflow with role-specialized agents, SSE progress tracking, and integration of SAM.gov, USASpending, FPDS, and SBA.
- Designed 14 autonomous agent personas (4-member command team + 10-member build crew) with persistent memory and cross-agent coordination protocols; architected 10 cross-platform agent products as MCP servers, skills, and plugins.
- Spearheaded the MEDLOG supply-chain illumination initiative — a dual-track AI-augmented evaluation framework — recommending an OTA-funded pilot to ASD(HA).
- Replaced a manual monthly burn-reporting process with a Python pipeline producing 15 status reports, variance workbooks, and AI-assisted run-out projections from one input.
- Leads Shipley-method capture and proposal development: L/M/C/H analysis, color-team reviews, and compliance-matrix mapping.

Enterprise Business Innovation Manager DoD, Office of Inspector General

Aug 2024 – Sep 2025
Alexandria, VA

- Led agency-wide data-driven transformation, aligning analytics strategy with mission priorities and securing senior-leadership buy-in.
- Directed AI and predictive-analytics solutions for workforce planning — cutting time-to-hire 10% and manual analysis time 60%.
- Ran an Agile delivery program with Requirements Traceability Matrices linking deliverables to mission outcomes.

Program Manager / Technical Lead Knowesis Inc. — DoD Inspector General

Sep 2019 – Aug 2024
Alexandria, VA

- Directed a 15+ person team delivering enterprise analytics and modernization for the DoD IG.
- Led UkraineOversight.gov — public interactive Tableau dashboards recognized by CNN, C-SPAN, and Congress.
- Won the Glenn/Roth Award for Exemplary Service; 98% on-time delivery. Drove a modern-data-stack migration over 40+ sprints (35% gain) and built a self-service platform for 400+ users.

Solution Architect / Technical Lead
Knowesis Inc. — FEMA / Defense Health Agency

Feb 2018 – Aug 2019
Washington, DC

- Delivered a cross-platform disaster-recovery system (iOS, Android, web) on AWS with Power BI, GIS, and REST APIs — primary technical contact under 4-hour SLAs.
- Built an enterprise records-management system with automated classification, NLP, and BI dashboards — cutting manual workload 45% with 94% on-time delivery.

Data Manager
Atkins (SNC-Lavalin) — FEMA

Sep 2013 – Feb 2018
Columbia, SC

- Built enterprise data solutions supporting FEMA funding coordination across \$300M+ and 22 counties; achieved a 0.05% error rate.

EDUCATION

B.S., Management Information Systems — Business Intelligence & Analytics
The University of North Carolina at Charlotte

2015

TECHNICAL SKILLS

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| AI & GenAI: | LLM architecture, multi-agent orchestration, agentic workflows, RAG (hybrid retrieval, embeddings), prompt engineering, Claude API, Gemini API, MCP, LangChain/ LangGraph, persistent memory |
| Languages & Frameworks: | Python, TypeScript, JavaScript, SQL, React, Next.js, FastAPI, Node.js, R, VBA |
| Machine Learning: | TensorFlow, scikit-learn, XGBoost, BERT, LSTM, NLP, predictive analytics, ML lifecycle |
| Cloud & Infrastructure: | Docker, Kubernetes, Vercel, Cloudflare (Tunnel, Zero Trust, Workers, R2), AWS, Azure, GCP |
| Databases: | PostgreSQL, pgvector, SQLAlchemy, Drizzle ORM, Neon, Alembic, SQL Server, Oracle EBS |
| DevOps & Testing: | Git, GitHub Actions, pytest, Vitest, Ruff, mypy, Semgrep, CI/CD |
| BI & Analytics: | Tableau (Cloud + Desktop), Power BI, QlikView |
| Federal Domain: | FAR/DFARS, FedRAMP, CMMC, SAM.gov, Shipley methodology, color-team reviews, NAICS/PSC |

CERTIFICATIONS

PMI Agile Certified Practitioner (PMI-ACP), 2022 · Tableau Certified Associate, 2019 · Data Science Professional Certificate, HarvardX, 2021 · DataWalk Technical Professional, 2022