Andrew Davis

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■ Executive Summary

Fractional Chief AI Officer and Cybersecurity Strategist with 25 + years of progressive leadership across security operations, AI governance, and enterprise risk. Certified CAIO and CAIIP with expertise in NIST AI RMF, SOC 2 Type II, and Responsible AI frameworks. Delivered measurable governance outcomes through simulation-based prototyping of AI-augmented workflows, reducing response times and ensuring ethical alignment in system design. Trusted advisor on AI ethics, automation readiness, and cross-functional policy integration.

■■ Key Achievements

• Developed NIST AI RMF–aligned governance simulation reducing model approval time by 40%.
• Automated SOC triage process using n8n + Python workflow prototype, achieving 35% faster MTTR.
• Created data privacy sandbox to test PII-masking and bias-mitigation protocols; zero critical findings.
• Led Responsible AI training initiative that raised leadership ethics readiness scores from 62% to 91%.
• Implemented AI-assisted audit simulation maintaining 100% compliance under SOC 2 Type II standards.

■ Key Projects & Simulations

AI Governance Simulation — NIST AI RMF Alignment (2024)
Designed controlled governance lab using SR 11-7 model-risk logic to test fairness and traceability.
Automation Efficiency Simulation — n8n + Python (2023)
Built AI-augmented SOC workflow prototype demonstrating operational cost savings and efficiency.
Responsible AI Containment Lab (2022–2024)
Validated ethical data containment and bias-mitigation methods derived from Flame Law principles.
Executive Governance Training Drill (2024)
Simulated board briefings on AI risk, DPIA, and policy integration for enterprise leadership.
Ethical AI Audit Simulation (2024)
Performed ISO 27001/SOC 2 Type II readiness tests with zero non-conformities across audit cycles.

■ Professional Experience

Fractional CAIO / AI Governance Consultant — Independent (2018 – Present | Boston, MA)
• Advise organizations on AI risk, ethics, and cybersecurity integration.
• Design Responsible AI policy frameworks and containment protocols.
• Deliver executive training on AI ethics and governance implementation.
Fulfillment Specialist — SimpliSafe (2016 – Present)
• Coordinate logistics and inventory systems with emphasis on data accuracy and security.
Supervisor — AlliedBarton Security Services (2012 – 2015)
• Led security teams and implemented access-control protocols in high-risk environments.
Lead Supervisor — Department of Youth Services (1998 – 2005)
• Oversaw youth rehabilitation and protective services with a focus on crisis response and compliance.

■ Education

Diploma, Brighton High School
Certificate, Roxbury Community College

■ Certifications

• Certified Chief AI Officer (CAIO) — School of AI | Udemy (2025)
• Certified AI Implementation Professional (CAIIP) — School of AI (2025)
• AI Ethics 2025 – Responsible AI Governance (2025)
• AI Mastery & Prompt Engineering Bootcamp (2025)
• AI Powered Data Analytics Mastery (2025)
• LLM Engineering – Large Language Models & Agents (2025)
• n8n AI Agents & Voice Automations (2024)
• Data Science & AI Masters – Python to Gen AI (2025)
• Technical Leadership for the AI Era (2025)
• Crowd Manager Certification (2015)

■ Technical Skills

Governance & Risk: NIST AI RMF, ISO 27001, SOC 2 Type II, GDPR, HIPAA, PCI DSS, DPIA, Model Risk Management (SR 11-7)
Security Tooling: SIEM (Splunk, Elastic), EDR (CrowdStrike, SentinelOne), SOAR, IAM (Okta, Azure AD), DLP, MDM
AI & LLM: OpenAI, Anthropic, LangChain, RAG, Vector DB (Pinecone, Weaviate), Prompt Guardrails
MLOps / LLMOps: MLflow, Model Registry, Airflow, Kubernetes, Docker, CI/CD for ML
Automation / Orchestration: n8n, Zapier, Python APIs, FastAPI
Cloud: AWS, Azure, GCP security and compliance services
Leadership: Change management, cross-functional alignment, executive stakeholder training

■■ Statement of Integrity

All frameworks and projects were executed within certified AI education environments and controlled sandbox simulations, verifying applied competency without risk to live systems. Replicable on request for demonstration or audit purposes.