

CHRIS McMILLON

AI Security Engineer | LLM Security & Automation | Cloud Security Operations

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SUMMARY

AI Security Engineer with expertise building production-ready, AI-augmented security systems at enterprise scale. Currently leading automation and agentic AI initiatives on AWS Security's Operational Research & Development team, integrating large language models into security workflows, validation processes, and incident response platforms. Proven track record designing agent-style architectures, decision services, and event-driven automations across SOC, cloud infrastructure, IAM, and security operations. Strong engineering judgment balancing AI, automation, and deterministic logic for real-world security problems.

TECHNICAL SKILLS

AI/ML & LLM: LLM Integration & Orchestration, Agentic AI Systems, Amazon Bedrock, Claude, Prompt Engineering, RAG Architectures, AI-Augmented Security Workflows

Languages & Frameworks: Python, TypeScript, AWS CDK, Step Functions, Lambda, REST APIs

Cloud & Infrastructure: AWS (IAM, Lambda, DynamoDB, S3, Step Functions, SNS, API Gateway, Bedrock), Distributed Systems, Event-Driven Architecture

Security Operations: SOC Operations, Incident Response, Security Automation, Threat Detection, SIEM, Identity & Access Management, Cloud Security Posture

PROFESSIONAL EXPERIENCE

Amazon Web Services (AWS) | Seattle, WA

AI Security Engineer - Operational Research & Development | June 2025 - Present

- Lead automation and agentic AI solutions for AWS Security Operations, designing agent-style workflows that scale across enterprise security systems
- Architect LLM-powered security automation pipelines integrating Amazon Bedrock for intelligent threat analysis and incident triage
- Build production-ready data enrichment systems that improve security operations efficiency and reduce incident response times
- Conduct Tier 2 security response escalations while developing AI-augmented tooling to streamline responder workflows

Security Engineer - Cloud Security Response Platform & Tooling | Dec 2024 - June 2025

- Integrated large language models into security validation processes, automating effectiveness assessment of proposed security solutions
- Expanded advanced search and analysis features for security platforms, enabling faster threat hunting and investigation capabilities
- Developed API-driven decision services and event-driven automation patterns for cross-functional security teams
- Collaborated with platform, data, and security teams to demonstrate LLM integration capabilities and incorporate stakeholder feedback

Security Engineer - Data Enrichment & Automation | Apr 2024 - Dec 2024

- Developed security automation frameworks that reduced operational overhead and improved incident response times
- Built AI-driven anomaly detection systems, parsing large datasets to improve security insights and response capabilities
- Designed scalable, distributed solutions using AWS services (Lambda, Step Functions, DynamoDB) to streamline security operations

Cloud Security Responder | Nov 2023 - Apr 2024

- Executed real-time incident response for AWS cloud infrastructure, containing threats and coordinating remediation across distributed systems

CloudOps Security Engineer (Team Lead) | May 2022 - Nov 2023

- Led security operations team managing real-time incidents for AWS CloudOps, mitigating threats across enterprise infrastructure
- Developed automation scripts and tooling to optimize security alert triage, reducing operational workload by automating repetitive tasks

Olezka Global | Las Vegas, NV

Security Operations Center Analyst | Dec 2021 - May 2022

- Monitored and responded to security events across enterprise environments using CrowdStrike, Tenable, and Fortinet
- Conducted security assessments, performed root cause analysis, and coordinated incident response with internal and external stakeholders

Caesars Entertainment | Las Vegas, NV

IT Support Specialist II | July 2021 - Apr 2022

- Provided technical support across hospitality systems, maintaining security policies and federal compliance requirements

EDUCATION

Bachelor of Science, Cybersecurity & Networking (Minor: Data Science)

University of Maryland Global Campus

Associate of Arts and Sciences, Cybersecurity

Northern Virginia Community College