

# CHRIS McMILLON

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

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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

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**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

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**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**

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

University of Maryland Global Campus

**Associate of Arts and Sciences, Cybersecurity**

Northern Virginia Community College