

Omar Chaudhry

Cybersecurity Specialist – cancanomar.net – omar@cancanomar.net

Professional Summary

Results-oriented cybersecurity professional with a Master's degree in Cybersecurity, CompTIA Security+ and CySA+ certifications, and federal government experience in IT audits, risk management, and controls assessment. Proven ability to identify security weaknesses, implement process improvements, and support compliance initiatives. Actively building hands-on defensive security capabilities through home lab projects focused on SIEM, vulnerability management, and incident response.

Featured Work Experience

U.S. Environmental Protection Agency (EPA)

End User Support Specialist

December 2022 – June 2024

- Conducted IT audits, identified weaknesses in security controls, and ensured government contractors adhered to service level agreements (SLAs) and compliance requirements.
- Applied NIST 800-53 controls and Risk Management Framework (RMF) principles during security reviews and system assessments.
- Collaborated with subject matter experts to evaluate and recommend security-focused accommodations, including AI-powered assistive technologies.
- Designed and implemented a Problem Management process that improved ticket triaging efficiency and reduced recurring incidents.
- Communicated major system changes and security updates to over 17,000 federal employees, contractors, and interns.

National Association of Counties (NACo)

IT Support Specialist

August 2022 – December 2022

- Managed Active Directory user accounts and permissions for on-premises and Azure cloud environments.
- Utilized Microsoft Intune for secure deployment, configuration, and management of endpoints and applications.
- Supported IT equipment inventory processes and resolved technical issues with a focus on access control and data protection best practices.

The Consortium of School Networking (CoSN)

Blaschke Fund Research Fellow

May 2022 – August 2022

- Researched and reported on cybersecurity, data privacy practices, and IT staffing challenges in K-12 school districts.
- Conducted interviews with CTOs, Directors of Technology, and security professionals; presented findings to trustees and leadership.
- Authored blog posts and analysis on cybersecurity awareness, data governance, and emerging threats in educational environments.

Projects & Publications

Defensive Security Environment

Self Published

March 2026

- Created a virtual lab using Wazuh SIEM, vulnerable target machines, and Kali Linux to practice threat detection, log analysis, and incident response workflows.
- Implemented vulnerability scanning, network monitoring, and detection rule creation to strengthen practical CySA+ skills.
- Document configurations, attack simulations, and response playbooks available on cancanomar.net

Generation Cooked: How We Lost Tech Literacy in a Simplified World

Self Published

January 2026

- Authored a book examining declining tech literacy among Gen Z and Gen Alpha, with focus on implications for cybersecurity awareness, social engineering risks, and responsible technology use.
- Conducted independent research and analysis on digital ethics, data privacy, and security education gaps.

Education & Certifications

CompTIA CySA+ (CS0-003)

November 2025

CompTIA Security+ (SY0-701)

November 2024

Masters of Sciences (M.S.) in Cybersecurity

Old Dominion University

June 2022

Skills

Security & Compliance

Risk Management Framework (RMF), NIST 800-53 Controls, ISO 27001, ITIL, Vulnerability Assessment and Security Awareness & Training

Technical

- Microsoft Azure/Intune/Active Directory, SIEM (Wazuh), Vulnerability Scanners (OpenVAS/Nessus), Network Monitoring (Wireshark), SharePoint, PowerBI and ServiceNow

Emerging Areas

- Responsible AI & Ethical Technology Practices, Data Privacy & Governance and Generative AI Tools (ChatGPT, Copilot, Ollama)

Spoken Languages

- English (Native), Spanish (Professional C1) and Arabic (Elementary A1)