Amber Caravalho

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Career Summary

AI Cybersecurity Analytics Engineer with 6+ years of experience delivering security outcomes through AI, data, and automation. Proven leader in building scalable analytics, streamlining workflows, and driving measurable business value. Skilled in Azure, Python, Splunk, and GenAI, with a focus on innovation and cross-functional alignment.

Skills

Threat Analysis, Incident Response, Network Security, Team Leadership, Team Development, Risk Management

Professional Experience

Cybersecurity Data Platform Analytics Engineer | 06/2024 - 08/2025 | T-Mobile US | Seattle, WA

- Enhanced cyber operations with analytics, GenAI, and data engineering across multi-terabyte networks.
- Collaborated with security, network, and risk oversight groups to address cyber and AI automation needs.
- Implemented, tested, and monitored security improvements using threat models like STRIDE and PASTA.
- Developed machine learning solutions to detect novel threats, boosting data-driven security measures.
- Designed data models and visualization dashboards to improve incident response and decision-making.

Enterprise Cybersecurity Threat Analyst | 08/2021 - 07/2024 | United States Air Force | Langley AFB, VA

- Secured a global network of 800k users across three classified domains, responding to over 100 incidents.
- Directed multi-team bespoke SEIM training, automating threat intelligence and saving 1.2K hours yearly.
- Led global upgrade of 76 domain controllers across 20 locations, extending network support by 5 years.
- Authored Python/PS script with open-source tools, detecting 100+ weak passwords in Active Directory.
- Pioneered adoption of Scrum (agile) for project management, boosting mission completion rates by 32%.

Enterprise Security System Technician | 07/2019 - 08/2021 | United States Air Force | Langley AFB, VA

- Overhauled endpoint management systems, strengthening network security across 1.2 million devices.
- Upgraded and secured 20k hosts, providing insights to leadership and achieving enhanced system visibility.
- Organized the resolution of a global network outage, restoring operations and maintaining continuity.
- Restored functionality to a vital flight component within 24 hours, supporting key military airspace operations.
- Conducted extensive security reviews and headed training sessions, addressing high-risk vulnerabilities.

Education

BS, Cyber and Data Security Technology | The University of Arizona Global Campus | 05/2024 | Chandler, AZ

- 3.99 GPA; Summa Cum Laude Graduate
- Dean's List Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023, and Spring 2024
- SALUTE Veteran's National Honor Society Member
- Alpha Sigma Lambda Honor Society Member

Airman Leadership School | Barnes Center for Enlisted Education | 12/2023 | Langley AFB, VA

- Honed leadership and supervisory skills essential for professional advancement.
- Boosted team management and conflict resolution abilities, preparing for advanced leadership roles.
- Mastered principles of resource stewardship and accountability.

AAS, Information Systems Technology | Community College of the Air Force | 11/2021 | Montgomery, AL

- 4.0 GPA
- Distinguished Graduate

Certifications

CompTIA Advanced Security Practitioner (CASP+) / SecurityX

- Certification ID: KFCVPJQ59MV42EXJ
- Valid through May 2028

CompTIA Cybersecurity Analyst (CySA+)

- Certification ID: 19S3XQYZDN411F3K
- Valid through May 2028

CompTIA Security+

- Certification ID: NDP055QG0PEQ10C1
- Valid through May 2028

Pearson IC3 Digital Literacy IL4
- Certification ID: w9bso-HaEW

Awards

Air and Space Accommodation Medal | 2024

- Attained for leading cyber-attack pattern analysis, identifying tactics and developing detection measures.
- Recognized for directing responses to critical system outages and data leaks, safeguarding data integrity.

Air Force Information Dominance Outstanding Mission Defense Activities Airman | 2023

- Honored for outstanding contributions in cybersecurity at both squadron and group levels.
- Recognized for building robust solutions, securing critical assets, and bolstering mission readiness.

Air Force Achievement Medal | 2021

- Earned for exemplary performance in endpoint security, achieving a perfect score in a major inspection.
- Recognized for expertise in attack sensing, malware protection, and incident response.

Volunteer Experience

BS in Cyber and Data Security Technology Program Advisory Board Member | 10/2024 - Present

- Providing strategic insights to enhance cybersecurity curriculum, preparing for ABET accreditation.
- Fostering industry connections to strengthen relationships with alumni, students, and military groups.

Diversity, Equity, Inclusion, & Accessibility Facilitator Training Team Lead | 10/2022 - 05/2024

- Launched the first military DEIA facilitator training initiative, developing facilitators across five bases.
- Led groundbreaking DEIA program development, influencing conversations across multiple branches.

Diversity, Equity, Inclusion, & Accessibility Program Co-Lead | 05/2022 - 05/2024

- Co-led initiatives in my unit, organizing group events and educating the workforce on diverse topics.
- Collaborated in managing DEIA suggestions and complaints to promoting workplace equity and inclusivity.