

# Brendan J. Senatus

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## TECHNICAL EXPERIENCE

### CLOUD SECURITY HOME LAB

March 2025 – Present

- Designed and deployed a virtualized security lab using Ubuntu Server and Kali Linux in VMware Fusion to simulate real-world cloud infrastructure.
- Configured networking with bridged and NAT modes to simulate internal and external environments for traffic flow and threat simulation.
- Implemented Elastic Stack for log aggregation and built custom Kibana dashboards to monitor failed SSH logins and system events.
- Currently implementing Suricata as an intrusion detection system (IDS), configuring real-time network traffic analysis, and integrating with tools like Filebeat for log forwarding and visualization.

### PERSONAL SECURITY OPERATIONS CENTER WITH AZURE SENTINEL

February 2025

- Built a Security Operations Center (SOC) by deploying a custom SIEM system using Azure, enabling real-time monitoring and alerting for security events across a virtualized environment.
- Configured and integrated Azure Virtual Machines with Microsoft Sentinel for log collection and analysis, focusing on RDP-related security events and incidents.
- Developed custom detection rules and alerting mechanisms in Microsoft Sentinel to identify and respond to critical security incidents.

### FIRST-YEAR RESEARCHER

September 2023 – May 2024

#### Kennesaw State University

- Researched adversarial attacks on AI models, focusing on healthcare applications.
- Examined real case studies of cyberattacks on US healthcare systems, determining common weaknesses and points of attack to guide preventative security steps.

## EDUCATION

### KENNESAW STATE UNIVERSITY

Kennesaw, GA

Bachelor of Science, Major in Cybersecurity, Minor in Computer Science

May 2027

Relevant Coursework: Programming I & II, Principles of Cybersecurity

Honors: President's List – Fall 2023

### GRAYSON TECHNICAL SCHOOL

Loganville, GA

Cybersecurity Certificate

August 2022 – May 2023

- Achieved the highest bracket (Platinum) in the national Cyberpatriot competition by demonstrating expertise in hardening devices and identifying vulnerabilities in Ubuntu, Windows Server, and Windows desktop environments, as well as collaborating effectively with team members to build and secure devices, resulting in successful threat identification and mitigation outcomes.
- Demonstrated technical expertise by working with diverse systems, including HP Server hardware, Windows desktop stations, custom-built Linux machines, Cisco Routers, Cisco Switches, and Cisco ASA security appliances.

## ACTIVITIES

### KENNESAW SOCIETY OF BLACK COMPUTING PROFESSIONALS

Kennesaw, GA

Event Coordinator

June 2024 – Present

- Coordinated with executive leadership team to secure appropriate physical spaces, accommodating specific event requirements.
- Facilitated a partnership between Fiserv and KSBCP, leading to an expansion of mentorship programs for underclassmen, the development of technical workshops, and resume review services.

## ADDITIONAL

**Cybersecurity & Cloud Operations:** Threat Detection, Cybersecurity Assessments, Cloud Security Monitoring (Azure), Security Architecture (Lab Design), Security Automation (Bash, PowerShell), Security Information and Event Management (SIEM), Intrusion Detection and Prevention Systems (IDPS), Risk & Threat Modeling (familiar)

**Tools & Technologies:** Hands-on cybersecurity intern experienced in building a cloud-based SOC using Microsoft Sentinel, Suricata, and ELK Stack. Comfortable working across Windows, Linux, and cloud environments to detect, analyze, and respond to security events.

**Networking & Security Fundamentals:** TCP/IP, DNS, CIA Triad (Confidentiality, Integrity, Availability), Identity and Access Management (IAM), Infrastructure Security, Log Analysis

**Soft Skills:** Security Documentation, Technical Reporting, Technical Presentations, Project Management Support (familiar), Analytical Research, Customer Communication, Verbal & Written Communication, Detail-Oriented, Independent Work,

**Cross-Functional Collaboration**

**Certifications:** TestOut Network Pro, TestOut Security Pro, Microsoft Office Specialist (Word, PowerPoint), CompTIA Security+ (Expected 2025)