

# William A. Fleming Jr.

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## Cybersecurity Analyst | Security & Intelligence Solutions Expert

Accomplished Cybersecurity Professional with a decade of military experience, specializing in securing complex systems, managing operations, and developing strategic solutions to complex issues. Proven leader with expertise in managing high-performing teams, overseeing security protocols, and ensuring operational excellence across multiple domains. Strong background in risk management, network security, and penetration testing. Recognized for leadership in high-stress environments, with a focus on mission success and continuous improvement.

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## Clearance

- **Top Secret/SCI with Counterintelligence Polygraph**
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## Core Competencies

- Cybersecurity Risk Management
  - Operations Management
  - Cloud Security & Infrastructure (AWS)
  - Vulnerability Assessment & Penetration Testing
  - Incident Response & Threat Mitigation
  - Security Operations & Compliance (RMF)
  - Leadership & Team Development
  - Security Architecture & Network Defense
  - Ethical Hacking & OSINT Analysis
  - Process Improvement & Efficiency
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## Education

### Bachelor of Science in Cyber Intelligence and Security

Embry-Riddle Aeronautical University (ERAU), Prescott, AZ

**Graduation Date:** December 2022

- **Minor:** Security and Intelligence Studies

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## Certifications

- **GCIH** – GIAC Certified Incident Handler - Exp. 5/2028
  - **GSEC** – GIAC Security Essentials - Exp. 12/2027
  - **GFACT** – GIAC Foundational Cybersecurity Technologies - Exp. 7/2027
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## Technical Skills

- **Programming/Scripting:** Python, Linux, Unix & Windows scripting
  - **Cybersecurity Tools:** Burp Suite, Metasploit, Wireshark, VirtualBox, VMWare, Kali Linux, Splunk, Git, AWS Relational Database Systems, Nmap, Nessus, Docker, Kubernetes
  - **Cloud Platforms:** Amazon Web Services (AWS)
  - **Operating Systems:** Linux, Unix, Windows
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## PROJECTS

### Raspberry Pi VPN Router

- **Designed and deployed a secure VPN tunnel** using a Raspberry Pi, ensuring all traffic is routed through the tunnel for enhanced privacy and security.
- **Configured iptables** to enforce firewall rules and manage network traffic, ensuring secure and encrypted data transmission.
- **Set up a Dynamic Host Configuration Protocol (DHCP)** server to automatically assign IP addresses to devices within a designated subnet, simplifying network management and improving scalability.

### Capture the Flag (CTF) – Ethical Hacking & Penetration Testing

- **Performed penetration testing** on virtual machines and networks to identify vulnerabilities, including web application flaws, misconfigurations, and weak security protocols.
- **Utilized industry-standard tools** (e.g., Nmap, Burp Suite, Hydra, John the Ripper) for **port scanning, vulnerability exploitation, and password cracking** to identify attack vectors and escalate privileges.
- **Escalated privileges** through system vulnerabilities, successfully gaining root access and completing increasingly difficult **CTF challenges**.
- Gained hands-on experience with common ethical hacking techniques, including **buffer overflows, SQL injection, cross-site scripting (XSS)**, and **remote code execution (RCE)**, demonstrating a strong grasp of **offensive security** principles.

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## Professional Experience

### Booze Allen Hamilton

*Cloud Engineer*

*Jul 2024 – Present*

- Completed 160 hours of Cloud Engineering training on the latest cloud-based technologies that enable automation of scalable, reliable, and secure cloud infrastructure solutions.
- Built, deployed, and managed Docker containers across various environments, ensuring consistent and reliable performance.
- Developed automation scripts and CI/CD pipelines for Docker container deployments and Kubernetes orchestration using tools such as GitLab CI/CD and AWS CodePipeline.
- Designed and implemented scalable, secure, and high-performance AWS infrastructure solutions, integrating Docker and Kubernetes for containerized applications.

### Amazon Web Services (AWS) – Virtual

*Cloud Support Associate, Relational Database Systems (RDS), MySQL*

*Aug 2022 – Jul 2024*

- Provide **24/7 technical support** for **AWS Relational Database Service (RDS) MySQL** instances in a high-availability production environment, assisting customers with performance optimization, issue resolution, and troubleshooting.
- Manage customer support queues, ensuring **timely and accurate resolutions** of issues, which contributes to **improved customer satisfaction** and faster incident response times.
- Leverage **AWS ecosystem services** (e.g., CloudWatch, EC2) to offer troubleshooting solutions beyond RDS, ensuring holistic infrastructure support and enhanced client satisfaction.
- Offer **expert advice** on **database tuning, scalability, and architecture design** to optimize cloud infrastructure, improving database performance and operational efficiency for clients.

### Route 1 – Virtual

*Systems Engineer Contractor*

*Dec 2021 – Feb 2022*

- **Analyzed system requirements** and **designed monitoring solutions** to enhance the stability and performance of client infrastructure, improving operational efficiency and incident detection capabilities.
- Implemented **system documentation** and **Risk Management Framework (RMF) compliance** to ensure infrastructure met **security standards** and regulatory requirements.
- Collaborated with cross-functional teams to ensure successful deployment of monitoring tools and systems, fostering improved **team communication** and productivity.

## **Detachment Commander / Sergeant of the Guard**

**United States Marine Corps, Various Locations**

*Nov 2015 – January 2019*

- Led comprehensive security operations for U.S. embassy and government facilities, coordinating with military and civilian teams to safeguard personnel, classified materials, and infrastructure. Collaborated with the Department of State to ensure the safety of embassy personnel and assets, providing real-time updates and tactical support during crises.
- Mentored and developed security personnel, fostering a culture of accountability and mission readiness. Directed the implementation of advanced security technologies, including CCTV and access control systems, to monitor and protect critical assets. Designed and executed security protocols and SOPs, ensuring the protection of sensitive government resources. Led training initiatives to enhance team performance and preparedness, and effectively managed crisis situations, ensuring swift evacuations and resource deployment during emergencies.

## **Avionics Power Plants Mechanic**

**United States Marine Corps, Yuma, AZ**

*August 2009 – November 2015*

Highly skilled and results-driven Powerplant Mechanic with extensive experience maintaining, troubleshooting, and repairing aviation powerplant systems. Demonstrated expertise in the maintenance and operational readiness of aircraft systems, ensuring safety, compliance, and mission success. Known for attention to detail, precision in technical work, and a commitment to quality assurance. Proven ability to improve operational efficiency through process improvements and maintain strict adherence to safety and regulatory standards.

### **Key Accomplishments:**

- **Aircraft Systems Maintenance & Troubleshooting:** Proficient in diagnosing and repairing powerplant systems and related equipment to ensure the functionality and readiness of equipment. Skilled in interpreting schematics, wiring diagrams, and technical manuals to effectively troubleshoot powerplant systems.
- **Quality Assurance & Compliance:** Served as a Quality Assurance representative, ensuring all maintenance was completed according to stringent military and civilian publications, regulations, and standards. Conducted thorough inspections and tests to verify proper operation and compliance with safety and performance standards.
- **Continuous Process Improvement:** Utilized Continuous Process Improvement (CPI) tools to optimize maintenance processes, reducing downtime and improving operational readiness. Implemented standardized maintenance procedures that resulted in more efficient workflows and reduced man-hours for aircraft systems repairs.
- **Team Leadership & Training:** Led maintenance teams in performing avionics and power plant repairs while mentoring junior personnel. Provided guidance and training on technical processes and safety protocols to ensure team competency and operational success.

- **Documentation & Reporting:** Accurately recorded maintenance actions in aircraft logbooks, ensuring all maintenance actions, repairs, and inspections were properly documented for future reference and regulatory compliance.
  - **Safety & Risk Mitigation:** Maintained a safe, organized work environment by adhering to safety protocols and managing tools, equipment, and maintenance procedures to minimize risk to personnel and assets.
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## **Leadership & Military Experience**

- Led teams across various roles, ensuring efficient security operations, adherence to procedures, and mission success.
  - Served as a key leader in high-pressure environments, fostering trust and collaboration among personnel and superiors.
  - Developed and executed operation plans, ensuring security for high-priority assets and personnel.
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## **Awards & Recognitions**

- Top Secret/SCI Security Clearance with CI Polygraph
  - Navy and Marine Corps Achievement Medal x2
  - Good Conduct Medal x3
  - Dean's List – Fall 2019
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## **Additional Information**

- Availability to travel as required for cybersecurity assessments, consultations, and incident responses.
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## **References**

Available upon request.