

Michael G. Banks

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Objective

Dedicated and disciplined professional seeking a challenging role as an Information Technology Specialist within the Federal Bureau of Investigation, leveraging a robust background in cybersecurity, digital forensics, and programming, along with proven analytical skills and a military leadership foundation.

Education

- Bachelor of Science in Computer Science; Oregon State University, Corvallis, OR
- Cybersecurity Certificate; Oregon State University, Corvallis, OR
- CompTIA Security+ Certification
- Bachelor of Science in Music Composition; University of Oregon, Eugene, OR

Skills

- Cybersecurity and Digital Forensics Expertise
- Information Security Governance
- Network Security and Intrusion Detection
- Malware Analysis and Incident Response
- Cryptographic Algorithms and Protocols
- Cloud Application Development and OAuth 2.0 Security
- Programming in Python, C, and Java
- Agile Development Model
- Data Processing and Visualization (Python, Pandas, Matplotlib)
- NIST, COBIT, and CIS Frameworks
- Team Collaboration and Project Management
- Career Musician Experienced in Music Theory, Analysis, and Composition

Relevant Coursework

- Information Security Governance
- Intro to Security
- Network Security
- Cryptography
- Digital Forensics
- Software Development
- Cloud Application Development
- Defense Against the Dark Arts (Cyber Attacks)

Projects

- Malware Analysis Capstone Project: Analyzed and reported on malware behavior using IDA Pro, Wireshark, and PEid, drawing actionable insights for cybersecurity enhancement.
- Digital Forensics Expert-Witness Report: Conducted in-depth analysis on a hard drive image using FTK Imager, Autopsy, and other tools, providing crucial evidence for legal proceedings.
- Information Security Governance Cybersecurity Plan: Developed a comprehensive plan incorporating risk assessment, control framework, and policy recommendations, demonstrating expertise in security governance.
- Network Security Projects: Implemented network simulation, utilizing tools like Nmap and Wireshark, showcasing proficiency in network reconnaissance and intrusion prevention strategies.
- Operating Systems Project: Crafted a Unix shell in C with basic functionality for interaction with a Unix-like operating system.
- MySQL Database Web Development Project: Built a website utilizing a MySQL database with full CRUD functionality, incorporating protections against SQL injection attacks.
- Cloud Application Development: Created RESTful and secure server-side applications using Auth0, OAuth 2.0, and Google Cloud Datastore with full CRUD database functionality, highlighting cloud-based security skills.

Military Background

- Leveraged leadership skills gained as an Army National Guard noncommissioned officer to enhance team collaboration and project management.
- Applied analytical thinking from military roles to cybersecurity scenarios, ensuring effective incident response and threat mitigation.
- Supported pandemic response efforts through diverse roles, including guarding medical stations and assisting hospital operations.
- Military Funeral Honors: Participated in funeral ceremonies, performing bugle calls and ceremonial duties while collaborating closely with families to ensure respectful and seamless funeral proceedings.

Additional Information

- Showcased ability to adapt to high-pressure situations, drawn from Army tasks and drills, reinforcing readiness for cybersecurity incident handling.
- Highlighted discipline and analytical mindset cultivated through music composition studies, aligning with the detail-oriented nature of digital forensics.
- Demonstrated leadership and determination as a professional musical performer and composer, underscoring commitment to excellence and attention to detail.