

AMPOMAH MARK-HILL

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PROFESSIONAL SUMMARY

Detail-oriented and technically proficient analyst with a strong foundation in **AWS Cloud infrastructure**, programming, and cybersecurity. Motivated to transition from a GRC and audit-focused role to a hands-on position in infrastructure engineering. Holds **AWS Certified Solutions Architect - Associate** and **AWS Certified Cloud Practitioner** certifications with a proven ability to automate infrastructure using **Terraform** and build **CI/CD pipelines** with **GitHub Actions**. Eager to leverage a background in secure systems design, monitoring, and compliance to learn and contribute to building scalable and secure cloud infrastructure.

SKILLS AND COMPETENCIES

- ***Cloud & Infrastructure***
AWS Cloud | AWS Services | Network Security | Data Communication | Computer Networking
- ***GRC & Cybersecurity***
NIST Cybersecurity Framework | ISO 27001 | COBIT | Risk Assessment | Security Policy Compliance | Audit Readiness | Incident Response Support | Data Privacy & Protection | Vulnerability Assessment | Regulatory Compliance (e.g., GDPR, HIPAA)
- ***Programming & Development***
Python | C++ | Visual Basic .NET | HTML | CSS | Software Engineering | Data Structures & Algorithms | Database Management | Programming Principles
- ***Machine Learning & AI***
Scikit-learn | TensorFlow | Keras | OpenCV | MediaPipe | Chatbot Development | Text Classification | Predictive Modeling | AI Integration
- ***Tools & Technical Skills***
Microsoft Word | PowerPoint | Git & GitHub | SPSS (Introductory) | Excel | Visual Studio | SQL Basics | Debugging & Troubleshooting
- ***Soft Skills & Strengths***
Problem Solving | Adaptability | Analytical Thinking | Ability to Learn New Technologies | Team Collaboration | Attention to Detail | Communication Skills

PROFESSIONAL EXPERIENCE

AMALITECH

DevOps Engineer | October 2024 to present

- Practiced **DevOps methodologies** and principles to streamline software development and deployment.
- Gained hands-on experience in **CI/CD pipeline** automation, building and maintaining workflows that enabled rapid and safe code deployment.
- Utilized **Infrastructure as Code (IaC)** to provision and manage cloud resources on **AWS**.
- Assisted in troubleshooting and monitoring system health, identifying and resolving infrastructure issues.
- Collaborated with development teams to support their infrastructure needs and improve operational efficiency.

INFOSEC CONSULTING INTERNATIONAL

IT Audit and Compliance Security Analyst (Remote, contract) | October 2022 to 2023

- Perform end-to-end IT audits of infrastructure, applications, and **cloud environments** to evaluate the effectiveness of internal controls and identify security gaps.
- Lead compliance assessments against industry standards such as SOX, **ISO 27001**, and **NIST CSF**, ensuring timely remediation of findings.
- Develop and execute control testing procedures to validate the operational effectiveness of IT general controls (**ITGCs**), access management, and change management.
- Collaborate with Information Security and IT Operations to implement corrective actions and strengthen control environments.

PWC

Risk and Cybersecurity Analyst | September 2019 to June 2022

- Conducted enterprise-wide risk assessments to identify and prioritize cybersecurity threats and vulnerabilities across networks, applications, and **cloud platforms**.
- Developed and maintained the organization's cybersecurity risk register, aligning risks with control frameworks (**NIST CSF, ISO 27001**).
- Collaborated with IT, **DevOps**, and compliance teams to design and implement risk mitigation strategies and security controls.

- Supported the execution of vulnerability scans and penetration testing, reviewing results to assess business impact and ensure timely remediation.
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EDUCATION

BSc. Information Technology, University of Energy and Natural Resources (UENR), Sunyani | January 2020 - November 2024

- **Relevant Courses:** Principles of Programing, Data Communication and Computer Networking, Data Structures and Algorithm, Software Engineering, Programming with Visual Basic (.Net Framework), Database Management, Python Programming, C++ Programming.
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CERTIFICATIONS

- **AWS Certified Solutions Architect - Associate** | *Amazon Web Services (AWS)* | Key Topics: Design High-Performing Architectures, AWS services, Design Secure Applications and Architectures, Design Resilient Architectures, Design Cost-Optimized Architectures and Define Operationally Excellent Architectures.
 - **AWS Certified Cloud Practitioner** | *Amazon Web Services (AWS)* | Key Topics: Cloud concepts, AWS services, Cloud deployment, and management.
 - **Occupational Safety and Health Manager** | *OSH Academy* | Key Topics: Safety Supervision & Leadership, Fire Prevention Plan.
 - **Ethical Hacking Basics** | *Alison Education* | Key Topics: Basic Networking, Data Communication, TCP/IP.
 - **Essential Networking** | *Cisco Networking Academy* | Key Topics: IPv4/IPv6 Fundamentals, TCP/OSI Model.
 - **Diploma in Python Programming** | *Alison Education* | Key Topics: Python Data Types, Functions, Date & Time Handling, Decision Making. Cybersecurity GRC- IT Audit, Yesyoucan Cybersecure LLC, Dallas, USA
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PROJECTS

DevOps Infrastructure Automation Project

- Developed and deployed an automated, secure cloud infrastructure on **AWS** using **Terraform** as the **Infrastructure as Code (IaC)** tool.
- Created Terraform modules to provision core resources, including **EC2 instances**, **ECS S3 buckets**, and a **VPC** with networking components.
- Implemented a **CI/CD pipeline** using **GitHub Actions** and **Jenkins** to automate the terraform plan and terraform apply workflows, ensuring changes were validated and deployed automatically upon code commits to the main branch.
- Configured IAM roles with least-privilege principles to securely manage access to AWS resources during the automation process.

University Chatbot Project

- Developed an intelligent chatbot to provide students with quick responses to FAQs using **Python Django**.
- Utilized **NLP techniques** and APIs to enable accurate responses, enhancing user experience and engagement.
- Continuously tested and improved the chatbot based on user feedback.

Breast Cancer Detection (One-Class Classification)

- Developed a machine learning model for image classification using various algorithms.
- Preprocessed data and implemented models in **Python** using **TensorFlow** and **Keras**.