Ibrahim Mahamane

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https://github.com/iamibie

RELEVANT EXPERIENCE/TRAINING

Cybersecurity Engineering Program, Flatiron School,   11/2021 – 03/2022

Coursework includes 15 weeks of intensive classroom and lab-based training in security concepts including:

- **Governance, Risk and Compliance (GRC)** - Frameworks, Tools, Artifacts (Strategy, Policies, Standards, Guidelines and Procedures), Risk Management, Business Continuity, Incident Response, Cyber Kill Chain,
- **Strategy and Analysis** - Strategic Planning, Leadership, Operational Design, Decision Making Cycle.
- **Threat Intelligence** - CTI Sources and Methods, Threat Actors, Social Engineering, CTI Cycle & Process, Cyber Kill Chain, CTI Diamond Model, Cyber Mission Analysis
- **Logs and Detection** - SIEMs (**Splunk**), IoCs, Log Types, Databases, Normalization, Regular Expressions (RegEX), Hunting, Alarms & Reports, Investigations, User and Process Monitoring
- **Networking** - OSI & TCP/IP Models, Routing, Protocols, Encapsulation, Framing, NAT Networks, VLANs
- **Network Security** - Wireshark & Filters, Port Forwarding, VPNs, Port Scanning, Bind & Reverse Shells, IDS / IPS, Firewalls and WAFs, Rule Writing, Vulnerability Management, MITM Attacks, DNS Security
- **Systems** - VMs, x86/ARM Architecture, Linux, Windows, Memory, Storage, Python, Cloud
- **Systems Administration** - Windows, Unix/Linux, VyOS
- **Systems Security** - OWASP Secure Coding Practices, Input Validation, Session Management, Encoding, Debugging, Buffer Overflows, Code Injection, Cloud Security Infrastructure, Hypervisors.
- **Application Security** - OWASP Top 10, XSS, CSRF, CORS, SQLi, Fuzzing, Command Injection, DoS & DDoS, Vulnerability Scanning
- **Cryptography** - Stream & Block Ciphers, OpenSSL, Certificate Management, Symmetric & Asymmetric.

CYBERSECURITY QUALIFICATIONS / PROJECTS

- *Ability to perform internal and external security and compliance monitoring.*
- *Network Monitoring, Intrusion Detection/Prevention Systems, Vulnerability Scanning*
- *Experience building and managing relational and non-relational databases using*
- *Experience with ISO 27000 Series, NIST SP 800, NIST Cybersecurity Framework, HITRUST.*
- *Excellent communication skills with the ability to present value and overcome objections*
- CompTIA Security+ certified https://www.credly.com/badges/d147adbd-20d9-4762-a034-a05149eeb3cd
- Gained understanding of Splunk *SIEM* console by initiating logging on the systems and integrating the logs with each console. Deployed both consoles on different *VMs.*
- Installed Windows Servers, Linux Servers, and virtual machines running *Kali-Linux* and *Ubuntu.*
- Utilized *Nmap* and *Wireshark* to perform network discovery, packet capture and traffic analysis.
- Via Capstone project, gained hands-on experience handling security incidents, including review of raw log files, data correlation, and analysis. Actively hunted for and dissected previously unidentified threats. Differentiated between potential intrusion attempts and false alarms.

DEVOPS QUALIFICATIONS / PROJECTS

- ***Tools****: AWS, Docker, Jenkins, Python, Javascript, SQL, MongoDB, MYSQL, GitHub, Terraform, Splunk*
- *Experience in application configurations, code compilation, building, automating, managing and releasing code across different environments and deploying to servers.*
- *Hands-on experience with EC2, S3, RDS, VPC, ELB, EBS, Auto scaling.*
- *Experience with installing, configuring and maintaining Jenkins for creating continuous integration (CI) pipelines and for end to end automation for all build and deployments.*
- *Experience using SCM tools like Git and GitHub for managing and maintaining code and other software development resources.*
- *Experience creating and deploying Docker images and containers.*
- *Experience using IaC tools such as Terraform for provisioning and managing AWS services such as EC2 and S3.*
- *Hands-on experience creating bash scripts for task automation.*
- **https://www.ibrahimmahamane.com**;

- - Portfolio website built using vanilla JAVASCRIPT, NODEJS, AND *MongoDB*;
    - Deployed to a linux ubuntu server via *EC2;*
    - Created a *CI pipeline* using *Jenkins* and *GitHub*.
  - **https://www.thegeekimposter.com**;
    - *CRUD* application built using the *MERN* stack**;**
    - Containerized each service in the stack using Docker
    - Deployed to an Ubuntu server on *EC2*.
  - http://137.184.186.97/ :
    - E-commerce application built using the *MERN* stack;
    - Dockerized, with nginx as proxy
    - Deployed to an *Ubuntu* server on DigitalOcean's cloud platform.

OTHER PROFESSIONAL EXPERIENCE

Legal Administrative/Paralegal Assistant | *Joseph Greenwald and Laake, Rockville, MD*   09/2020 – 05/2021
- Assisted paralegals in drafting and filing legal documents including pleadings, discovery, memos, lines and other necessary legal documents.
- Supported case preparation for hearings, depositions, and trials by organizing discovery materials and exhibits.
- Served as notary and witness to will signings and trust executions.

Executive Assistant to the President | *Bay Atlantic University, Washington, DC*   1409/2019 – 03/2020
- Managed the President's daily calendar, including scheduling appointments and meetings with students, staff, faculty, vendors as well as other executives.
- Draft and proofread memos, notes, announcements and disseminated information from the office of the president to pertinent internal and external stakeholders. Took general meeting minutes and served as liaison at meetings and events in the absence of the President.
- Made both domestic and international travel arrangements by researching destinations and travel requirements, booking flights, hotels and cars, as well as creating and managing itineraries for business travels.
- Assisted faculty and other department heads in organizing both on and off campus activities for students; oversaw and submitted expense reports for each event to the President and the accounting department.

Paralegal Intern | *Cassano and Associates, Naperville, IL*   05/2019 – 09/2019
- Assisted senior paralegal with legal research and analysis. Assisted in preparing, editing, and filing pleadings, amendments, and other relevant legal documents.
- Transcribed, summarized and analyzed depositions; highlighted and compiled pertinent information for the attorneys and paralegals.
- Occasionally covered for the secretary/ legal assistant; duties included, answering phone calls, performing new client intake, scheduling and coordinating meetings, interviews, and events.
- Performed other tasks as needed; including, serving subpoenas and serving as witness to will signings.

CNA | *Lexington Health Network, Wheeling, IL*   12/2014 – 07/2019
- Performed activities of daily living, including personal hygiene management, feeding and ambulation.
- Monitored patients and reported important information to the nurse in charge to help optimize care.
- Performed hands-on nursing care under RN supervision.

EDUCATION & CERTIFICATIONS

CompTIA Security+   Obtained May 2022
Flatiron School | Cybersecurity Engineering Program (Online) Certificate   *March, 2022*
North Central College | Naperville, IL | BA in Political Science & Philosophy   *June, 2019*