

Ibrahim Mahamane

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SECURITY+ | DEVOPS | SOFTWARE ENGINEERING

Skilled information technology professional with hands-on experience in network/data security, virtualization, cloud computing and software engineering/deployment. Known for a strong work ethic and professional demeanor, exceptional Interpersonal skills, and the capacity to adhere to industry's rules and regulations.

QUALIFICATIONS

- Experience with virtualization using **Virtualbox** and **VMware**.
- Experience building and deploying web applications as well as implementing **CI/CD** using **Github**, **Jenkins**, and **AWS EC2** <https://www.ibrahimmahamane.com>
- Experience using **SPLUNK** for log analysis and data visualization.
- Experience deploying a web application and implementing **CI/CD** using **AWS Elastic Beanstalk** and **CodePipeline** <https://www.thegeekimposter.com>
- Proficient in **JavaScript**, **Python** and **SQL** (some experience with **C++** and **GO**)
- Experience building and managing relational databases using **AWS RDS**, **MYSQL** AND **AWS EC2**.
- Experience building and managing **NoSQL** databases using MongoDB.
- Ability to perform internal and external security and compliance monitoring.
- Experience performing security risk/vulnerability assessments.
- Experience with **ISO 27000 Series**, **NIST SP 800**, **NIST Cybersecurity Framework**, **HITRUST**.
- CompTIA **Security+** <https://www.credly.com/badges/d147adbd-20d9-4762-a034-a05149eeb3cd>

RELEVANT 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.

SKILLS

- Excellent written and verbal communication skills
- Excellent organizational skills
- Self-motivated
- Quick learner

PROJECTS

- Installed Windows Servers, Linux Servers, and virtual machines running Kali-Linux and Ubuntu using VirtualBox, VMware
- Utilized Nmap and Wireshark to perform network discovery, packet capture and traffic analysis.
- Built my portfolio website using vanilla **JAVASCRIPT, NODEJS, AND MONGODB**, and deployed to a server via **AWS EC2**. <https://www.ibrahimmahamane.com>
- Built my blog site using the **MERN stack** and deployed using **AWS Elastic Beanstalk** and **CodePipeline**. <https://www.thegeekimposter.com>
- 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.
<https://docs.google.com/presentation/d/1cFDG8Jkv3upt5HvmnIUhANuljGrQMVNcfev3D5p0d0/edit#slide=id.p>

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. Assist paralegals in researching case law in Westlaw and LexisNexis.

Executive Assistant to the President | *Bay Atlantic University, Washington, DC* 09/2019 – 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.

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.

EDUCATION & CERTIFICATIONS

CompTIA **Security+** <https://www.credly.com/badges/d147adbd-20d9-4762-a034-a05149eeb3cd>

May, 2022

Flatiron School | Cybersecurity Engineering Program (Online) Certificate

March, 2022

North Central College | Naperville, IL | BA in Political science & Philosophy

June, 2019