

OTHMAN EL-MANSOUR

Network Security Engineer | DevSecOps | Cloud Security

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Professional Summary

Network & Telecommunications Systems Engineering student with hands-on experience in **network security**, **infrastructure monitoring**, and **intrusion detection**. Skilled in deploying and tuning **SIEM/IDS-IPS** tools (Snort, Zabbix, Uptime Kuma) to strengthen visibility and reduce incident response time. Comfortable working across **Linux** administration, **network administration** (routing, switching, VLAN, TCP/IP), and modern **cloud** and **containerization** technologies (Docker, Kubernetes). Growing exposure to **DevSecOps** practices, **automation**, and **CI/CD** pipelines with **GitHub Actions**. Analytical, autonomous, and driven to build secure, well-monitored infrastructure. Currently seeking a 2-month internship in Cybersecurity, Network Security, or DevSecOps.

Technical Skills

Security	Intrusion Detection & Prevention (IDS/IPS), Snort, Security Monitoring, Firewalls, Cryptography & Steganography, Risk Assessment, Incident Response, System & Network Hardening
Networking	Routing & Switching (Cisco), VLAN, TCP/IP, DNS, DHCP, SSH, Network Administration, GNS3, Packet Tracer
Cloud & Containers	Docker, Kubernetes
DevOps & Automation	Git, GitHub, GitHub Actions (CI/CD), Automation, Bash Scripting
Monitoring & Observability	Zabbix, Uptime Kuma, Snort, Infrastructure Visibility, Alerting & Dashboards
Operating Systems	Linux (Advanced Administration), Windows
Programming & Development	Python, C, C++, Java, JavaScript, Node.js, HTML5, CSS3, Django, REST APIs
Databases	SQL, Relational Database Design
VoIP & Telecom	SIP, WebRTC, VoIP, Asterisk, jsSIP, Signal Modulation
Other Tools	MATLAB, Signal Processing & Simulation, Channel Coding, Data Compression

Professional Experience

Network Security & Monitoring Intern June 2025 – August 2025
SkyVaults — Agadir, Morocco

- Deployed and configured a multi-tool monitoring stack (**Uptime Kuma**, **Zabbix**, **Snort**) to improve real-time visibility and availability tracking across the company's network infrastructure.
- Designed and developed a custom **GeoMonitor** module for Uptime Kuma to track service latency and uptime by country, enhancing global performance insight.
- Integrated **Snort**-based intrusion detection with monitoring dashboards, enabling faster identification and correlation of suspicious network activity.
- Contributed to strengthening the organization's overall **security monitoring** posture through proactive alerting and dashboard customization.

Web Developer Intern April 2024 – May 2024
BigBang Center — Beni Mellal, Morocco

- Designed and built a full-featured inventory management web application with an intuitive user interface for stock tracking.
- Implemented complete **CRUD** functionality to streamline inventory operations and data management.
- Built the solution using **HTML5**, **CSS3**, **JavaScript**, **Python**, and a relational database backend.

Web Developer Intern June 2023 – August 2023
BigBang Center — Beni Mellal, Morocco

- Developed an e-commerce platform for artisanal clothing, covering product catalog, shopping cart, and checkout flow.
- Delivered a fully responsive interface to ensure consistent user experience across devices.

- Built with **HTML5**, **CSS3**, **JavaScript**, **Python**, and the **Django** framework.

Technical Projects

GeoMonitor — Global Latency & Uptime Tracking Module (built during SkyVaults internship)

- Extended **Uptime Kuma** with a custom module to visualize service latency and availability by geographic region, improving operational insight for distributed services.

Network Security Monitoring Stack

- Combined **Snort (IDS)**, **Zabbix**, and **Uptime Kuma** into a unified monitoring setup, demonstrating practical experience integrating open-source security and observability tools.

Education

Engineering Degree — Network & Telecommunications Systems Engineering Sept. 2024 – June 2027 (in progress)

École Nationale des Sciences Appliquées (ENSA), Kénitra

Track: Network & Information Systems Security — Cybersecurity, VoIP, Telecom Networks, Systems Administration

Relevant coursework: Network Security & Information Systems, Cryptography & Steganography, Systems & Network Administration, Advanced Mobile Networks, Satellite Communications

University Diploma of Technology (DUT) — Computer Engineering 2022 – 2024

École Supérieure de Technologie (EST), Beni Mellal

Mention: Très Bien (High Honors) — Coursework: Software Development, Networks, Databases, Systems Administration

International Baccalaureate — Physical & Chemical Sciences 2020 – 2021

Lycée Moussa Bno Noussair, Khemisset

Mention: Bien (Honors)

Languages

Arabic (Native) | French (Fluent, professional level) | English (Intermediate)

Professional Attributes

- Strong analytical mindset and complex problem-solving skills
- Effective team collaboration and communication
- Autonomous with a proactive, initiative-driven approach
- Active technology watch and continuous learning in cybersecurity