

CONTACT

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TECHNICAL SKILLS

Network security & monitoring
pfSense, Suricata IDS/IPS, Zabbix, Grafana, SNMP, security event analysis.

Security testing & analysis
Nmap, hping3, Wireshark, Burp Suite, OWASP ZAP, MobSF, Ghidra.

Networks & virtualization
TCP/IP, VPN, VLAN, WAN/LAN/DMZ, Cisco Packet Tracer, GNS3, VMware, Ubuntu Linux.

Programming & development
Python, C, Java, C#, JavaScript, HTML/CSS, Kotlin, React Native.

Databases & tools
MySQL, PostgreSQL, MongoDB, SQLite, Docker, Git, GitHub.

Interpersonal skills

Communication, creativity, teamwork, problem-solving.

LANGUAGES

English: advanced

French: professional working level

Arabic: native

INTERESTS

Music, videography, video editing, writing.

Ismail ERRAOUIDATE

Cybersecurity Engineering Student

Final-year cybersecurity engineering student at EMSI Marrakech, combining a specialization in systems and network security with programming knowledge and software development experience. Seeking a **final-year internship (PFE)** in cybersecurity, networks or infrastructure security.

EDUCATION

Engineering programme in cybersecurity – Final year
EMSI – École Marocaine des Sciences de l'Ingénieur, Marrakech
2025 – Present

Cybersecurity, networks, information systems security and software development.

Three-year diploma in computer engineering (Bac+3)
ESMA – École Supérieure des Métiers de l'Informatique, Marrakech
2022 – 2025

Software development, databases, networks and systems.

PROFESSIONAL EXPERIENCE

PFA Internship – Cybersecurity and network infrastructure
Université Cadi Ayyad (UCA), Marrakech
Summer 2026 – 2 months

- Designed and deployed a virtualized infrastructure with **VMware Workstation** and **pfSense**, including **WAN/LAN/DMZ** segmentation and traffic filtering between zones.
- Set up system and network monitoring using **Zabbix**, agents and **SNMP**, and integrated metrics into **Grafana** dashboards.
- Integrated **Suricata IDS/IPS** and ran controlled tests with **Nmap and hping3 on Kali Linux**, analysing the resulting alerts and observed blocks.

HA Groupe Informatique, Marrakech

2025 – Software development internship: contributed to an ERP application for internal management.

2024 – Internship: took part in technical activities and learned how IT projects are carried out.

2023 – Observation internship: observed technical and organizational tasks.

ACADEMIC & PERSONAL PROJECTS

Secure network infrastructure deployment & monitoring (UCA PFA)
A virtualized, segmented and monitored WAN/LAN/DMZ environment for tracking metrics and observing security alerts during controlled tests.
Technologies: VMware Workstation, pfSense, Zabbix, Grafana, Suricata, SNMP, Kali Linux.

ChainSOC – Decentralized SOC
Log collection, analysis and secure storage across three virtual machines (Target, Watcher, Vault), using blockchain, IPFS and investigation reports.

TriDetect – Distributed security monitoring
Detection of SQL injection, XSS, brute-force attempts and automated scans across web, application and database tiers, with a real-time dashboard.

Fakhama – Android mobile application
User interfaces, screen navigation and local data management.

CERTIFICATIONS

Mobile Application Security – MLIA Edu – June 2026

Introduction to Cloud Computing – IBM – November 2025

Fundamentals of Blockchain Architecture – LearnQuest – April 2026

EXTRACURRICULAR ACTIVITIES

Cyber crisis management serious game
EMSI – September 2026.