

# MOHAMED BEKA Malick

*Systems and Network Administrator*

+212 7 09 07 22 04 · [mohamedbekamalick21@gmail.com](mailto:mohamedbekamalick21@gmail.com)  
[linkedin.com/in/malick-mohamed-beka](https://www.linkedin.com/in/malick-mohamed-beka) · Salé, Morocco



## Profile

5<sup>th</sup>-year engineering student, specialized in **Systems, Networks and Telecommunications**, looking for an **Internship, Final-year Project or Pre-hire position** to apply my skills on concrete IT projects. I also have a particular interest in Cloud Computing and Cybersecurity.

## Professional Experience

**2026 – DevOps Internship | SINONE – Rabat** February – April

- Implementation of an IS supervision and observability platform with the ELK stack

**2025 – Operational Internship | ANAC – Niamey** February – June

- N1/N2 technical support: diagnosis and resolution of systems and network incidents
- Database administration and access management: troubleshooting incidents related to billing service
- FortiGate firewall configuration and management for Starlink v4 secondary ISP migration
- Airport terminal secure access management: badge encoding and applicant validation
- On-premise SIEM (Wazuh) deployment on Proxmox: test case for cyber threat prevention

**2024 – PIDR Internship | ENSET / SupMTI – Rabat** February – June

- Design of a smart parking system for public spaces and parking lots

**2023 – Technical Internship | CHU Hassan II – Fès** April – May

- Network monitoring with Nagios
- Configuration of HP ProCurve switches (VLAN) in test environment

## Projects

**2026 | Collaborative Project — DOUCSOFT:** Setup of a virtualized Linux development server on Proxmox (remote, Bamako)

**2025 | Bachelor's Final Project (LP):** Deployment of an open-source SIEM solution on the Cloud (Wazuh on GCP)

**2025 | Industrial Project:** Energy monitoring and optimization platform

**2023 | Associate Degree Final Project (DUT):** Development of an institutional website (AngularJS)

## Technical Skills

- ▶ **Networks & Telecommunications:** Mastery of OSI and TCP/IP, SNMP and HTTP/HTTPS protocols, design and administration of LAN/WAN networks, configuration of Cisco and HP ProCurve switches (VLAN), routing (RIP, OSPF), implementation of network services (DNS, DHCP, NAT, FTP), Packet Tracer and GNS3 simulation
- ▶ **Systems Administration:** Linux (Debian/Ubuntu, Kali, Red Hat – CLI & GUI), Windows Server/Client (installation, configuration, services, Active Directory / GPO, user and rights management)
- ▶ **IT Security:** FortiGate firewall configuration, VPN/IPsec tunnel implementation, ACL management and SIEM solution deployment (Wazuh)
- ▶ **Virtualization & Infrastructure:** Proxmox VE, VMware Workstation, VirtualBox, Docker, OpenStack
- ▶ **Cloud:** GCP (Google Cloud Platform), AWS (Amazon Web Services)
- ▶ **Monitoring & Observability:** Implementation of monitoring and observability solutions (Nagios, Zabbix, Open-NMS, ELK) and network diagnostics with Nmap and Wireshark
- ▶ **Databases:** SQL Server, MySQL, PostgreSQL, Oracle
- ▶ **Development & Scripting:** Python, C, Java, SQL/PL-SQL

## Education

- 2023 – 2026** | Computer Science Engineering Cycle (GI-ISRT) *SupMTI – Rabat*
- 2024 – 2025** | Bachelor's Degree in Network and IT Systems Security (SRSI) *EPN – Niamey*
- 2021 – 2023** | Associate's Degree in Computer Science (Systems and Network Administration) *EST – Fès*
- 2020 – 2021** | Scientific Baccalaureate (Series D) *CSP La Solidarité – Tahoua*

## Languages

French (*advanced*) · English (*fluent*) · Arabic (*intermediate*)

## Certifications and Projects

For more details, please check my portfolio: <https://portfolio-malick.netlify.app>

## References

- Mr. H. Fall** — Engineering Cycle Program Coordinator (Class of 2026) *+212 6 75 03 89 76*
- Mrs. A. El Ghazi** — PIDR 2024 Supervisor *asmae.elghazi1@gmail.com*
- Mr. M. Maidaboua** — ANAC 2025 Internship Supervisor *+227 87 40 43 84*