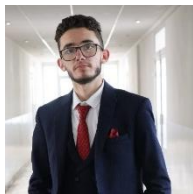


Chihabeddine Merabet



Telecom & IP Network State Engineer

Telecom and IP Networks State Engineer, graduated from ENSTTIC in June 2025, with hands-on experience in system and network administration, monitoring, and infrastructure configuration. Currently working as a System and Network Administrator, with strong organizational skills and a fast-learning mindset. Seeking a Network Engineering role.

Contact Information:

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Email: chihabeddine.merabet@ensttic.dz

Website: chihab-merabet.github.io



Skills:

Network Administration: IPv4/IPv6, TCP/IP, DNS, DHCP, VLAN, VLSM, NAT, STP, SNMP, Syslog, NTP, SSH, FTP.

Network Engineering: RIP, OSPF, EIGRP, IS-IS, BGP, MPLS, QoS, SDN (OpenFlow), SD-WAN (Cisco Viptela).

Network Security: ACLs, Firewall Policies, IDS/IPS, IPsec & SSL VPN, Application Control, Fortinet Security Fabric.

Network Systems: Cisco, Huawei, Juniper, Fortinet, Sophos, MikroTik, D-Link, OPNsense, pfSense.

System Administration: Windows Server, Active Directory, Linux (Ubuntu, Kali), VMware (ESXi, vCenter, vSphere), Proxmox VE, Elastix & FreePBX Server, Openfire Server, Zabbix Server, Veeam Backup & Replication.

Telecommunication Engineering: VoIP, xDSL, MSAN, FTTx, 2G (GSM), 3G (UMTS), 4G (LTE), 5G (eMBB, mMTC, URLLC), Fibre Optics (PDH, SDH, WDM, DWDM).

Data Centre & Cloud Administration: Storage, Virtualisation, Containers, Cloud Computing, Backup & Disaster Recovery, Business Continuity.

Software Tools: Cisco Packet Tracer, GNS3, EVE-NG, Wireshark, Huawei eNSP, VMware Workstation, Lansweeper, PuTTY, SolarWinds, Visual Studio Code, XAMPP, MATLAB.

Additional Skills: Programming (C, Java, Python), Web Development (HTML, CSS, JavaScript, PHP), UI/UX (Figma).

Experience:

System Tools and Telecommunications Network Administrator

July 2025 – Present

Pharm Invest SPA | El Eulma, Sétif, Algeria

- Install, deploy, provision, configure, monitor, and troubleshoot network, server, and system infrastructure.
- Perform structured cabling and cable management (Ethernet) as well as optical fibre installation and maintenance.
- Install, configure, and maintain IP camera (CCTV) systems.
- Implement and manage network security solutions, including firewall policies, application control, and web filtering.
- Configure and monitor site-to-site and remote access connections (VPN).
- Configure, operate, and monitor GSM hardware and VoIP systems.

Intern – Circuit Switched Network (MSC)

March 2025 – April 2025

Optimum Télécom Algérie (Djezzy) Mobile Switching Centre | Sétif, Algeria

- Observed and assisted with the operation of MSC equipment for 2G and 3G mobile networks.
- Gained exposure to circuit switching, call routing, and core telecom infrastructure.
- Learned about traffic management and fault monitoring within mobile core networks.

- Participated in backbone network operations involving OSPF, IS-IS, BGP, MPLS, and MPLS-VPN.
- Observed the deployment and monitoring of leased lines, EVPNs, and enterprise connectivity.
- Assisted engineers in troubleshooting routing protocols and Juniper equipment using Junos OS.

- Involved in 2G (GSM), 3G (UMTS), and 4G (LTE) base station configuration and performance checks.
- Learned about frequency planning, BTS cell configuration, and RNC/BSC operations.
- Supported technicians in on-site network optimization tasks.

- Assisted troubleshooting of fixed-line services and customer premises equipment (CPE).
- Assisted with fibre optic installations and maintenance of MSAN-based infrastructure.

Education:

Projects:

Final Year Project – Implementing SD-WAN over Traditional WAN for Enterprises

- Deployed Cisco Catalyst SD-WAN 19.2.0 using GNS3 and VMware Workstation Pro 17
- Simulated real-world enterprise scenario with custom IPS/IDS and URL filtering security policies

Internship Project – Advanced Simulation of an Enterprise MPLS-VPN Network with QoS

- Designed a full MPLS-VPN architecture using GNS3, simulating a service provider backbone
- Used OSPF for client routing, IS-IS for core routing, and BGP for inter-AS communication
- Implemented QoS policies to prioritize VoIP traffic and tested performance under congestion

Certifications	Languages:
<ul style="list-style-type: none">• HCIA-Datcom V1.0• ISC2 Certified in Cybersecurity• Oracle Cloud Infrastructure 2025 Certified Foundations Associate	<ul style="list-style-type: none">• Arabic – Native• English – Fluent• French – Professional