

JAMAL MAROUANE

Network & Security Engineer

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PROFILE

17 years of experience in designing, deploying and maintaining datacenter network infrastructures. Strong expertise in advanced routing protocols (BGP, VXLAN EVPN, OSPF), Cisco and Arista equipment, and perimeter security solutions. Passionate about automation (Terraform, Ansible, Python) and cloud environments (OpenStack, AWS).

KEY SKILLS

DataCenter Networking

BGP, VXLAN EVPN, OSPF, MPLS, ECMP
Spine & Leaf Architecture, Core Network
Cisco (Nexus, Catalyst), Arista EOS, Juniper

Automation & IaC

Terraform, Ansible
Python, Bash, REST API, Git
CI/CD (GitLab)

Security

Firewalling: Fortinet, Palo Alto, Checkpoint, Cisco ASA
Segmentation, filtering, flow management
VPN IPsec/SSL, NAC (Cisco ISE, 802.1X)

Cloud & Systems

OpenStack (Keystone, Nova, Neutron, Glance)
AWS (VPC, EC2, S3), VMware vSphere
Linux (administration, scripting)

PROFESSIONAL EXPERIENCE

DataCenter Network Engineer — Orange France	Sep. 2023 – Dec. 2025
Network Infrastructure & Routing <ul style="list-style-type: none">Datacenter underlay network management: Arista EOS Spine, Pluribus Netvisor Leaf, Spine & Leaf architectureBGP configuration between overlay and physical underlay: route redistribution, peering, ECMPNew Leaf integration: uplinks configuration, LACP, VLANs, connectivity validation Automation & IaC <ul style="list-style-type: none">Terraform deployment for infrastructure automation: modules, CI/CD workflowsAnsible playbooks for network configuration and automated deploymentPython/Bash scripts for recurring tasks automation, REST API integration Security & Firewalling <ul style="list-style-type: none">Palo Alto firewall administration: security profiles, SSL Decryption, IPsec VPN, HA Active/PassiveFlow management, network segmentation, filtering policiesMonitoring and supervision: Centreon integration, SNMP, custom supervision scripts <i>Technologies: Arista EOS, Pluribus Netvisor, BGP, OSPF, ECMP, VXLAN, Spine/Leaf, Terraform, Ansible, Python, Palo Alto, Centreon</i>	
Network & Security Engineer — Capgemini	Jan. 2021 – Jul. 2023
<ul style="list-style-type: none">Datacenter underlay network management: Juniper EX (Leaf) and MX (Spine) equipment, OSPF protocolNew Leaf addition: uplinks to Spines, fiber cabling, LACP/trunk, VXLAN propagationFortinet perimeter security, network segmentation, multi-level filtering policiesAutomation: Python scripts for configuration export/import, REST API, Git versioningN2/N3 incident management: root cause analysis, advanced troubleshooting, change correlation <i>Technologies: Juniper EX/MX, OSPF, BGP, VXLAN, Spine/Leaf, Fortinet, Python, REST API, Git</i>	
Network Engineer — Euler Hermes (Allianz Trade)	2019 – 2020
<ul style="list-style-type: none">VMware VeloCloud SD-WAN deployment in an international multi-site contextOverlay tunnels configuration, QoS, failover, automatic switchover testingSite-by-site deployment coordination with operators, documentation and MCO procedures <i>Technologies: VMware VeloCloud, SD-WAN, Overlay Tunnels, QoS, WAN</i>	
Network & Security Engineer — Institut Curie	2018 – 2019
<ul style="list-style-type: none">Network infrastructure in critical hospital environment (healthcare data, high availability)N3 support for complex incidents, Checkpoint perimeter security, regulatory compliance <i>Technologies: Cisco, Checkpoint, LAN/DC Architecture, Monitoring</i>	
Network & Security Engineer — Orange Morocco	2008 – 2018
Datacenter & Network Redesign <ul style="list-style-type: none">3-tier to ToR architecture: Cisco Catalyst 6500, Nexus 5K/2K, high availability (VSS, HSRP)Inter-site OSPF routing, border router redundancy, technical diagram rationalization	

OpenStack

- OpenStack platform deployment: Keystone (identity), Nova (compute), Glance (images), Neutron (network)
- Compute/controller nodes configuration, network integration, handover to project teams

Security & Firewalling

- Multi-vendor firewalling: Cisco ASA, Firepower FTD, Fortinet FortiGate, ACL and object management
- Site-to-site IPsec/SSL VPN, RSA SecurID strong authentication, NAC Cisco ISE (802.1X, RADIUS)
- N3 incident management, LAN/WAN/security infrastructure MCO, international projects

Technologies: Cisco Nexus/Catalyst/ASA, Fortinet, OpenStack, OSPF, VPN, Cisco ISE, Linux

CERTIFICATIONS

- HashiCorp Certified: Terraform Associate
- AWS Solutions Architect – Associate
- VMware NSX-T Data Center – Professional
- Cisco CCNA

EDUCATION

Master in Project Management — Mundiapolis University (2014) | Systems & Networks Engineer — ESTEM (2008)

LANGUAGES

French: Fluent | English: Professional working proficiency