Carrel AKODANDE HONMA

Network & Security Engineer – Infrastructure & Cybersecurity

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Professional Summary

Network and Security Engineer with hands-on experience designing, deploying, and hardening complex multi-site infrastructures for the Beninese public administration. Responsible for two national-level datacenters and the ministerial city network at ASIN, covering over 60 technical rooms nationwide. Fortinet-certified NSE 1 through NSE 6, CCNA, Palo Alto NetSecPro and NGFW Engineer; CCNP in progress.

Professional Experience

Network & Security Engineer Aug 2025 – Present

ASIN – Agence des Systèmes d'Information et du Numérique – Cotonou, Benin

- Administer the National Datacenter, the Presidency Datacenter, two Ministerial City datacenters, and 60+ technical rooms across the country.
- Harden security posture through FortiAnalyzer and FortiManager policies; conduct continuous technology watch.
- Configure and troubleshoot SD-WAN strategies in distributed, multi-VDOM environments.
- Deploy and maintain VoIP networks; implement Free Mobility with Dynamic VLAN assignment.
- Deploy a privileged access management solution (Wallix Bastion) and manage Web Application Firewalls (FortiWeb WAF).
- Integrate network infrastructure with monitoring platforms; participate in security assessments.
- Design network architectures for several government agencies; contribute technical expertise to hardware acquisition processes and draft Terms of Reference (ToR).
- Lead MCO (operational maintenance) teams at the Ministerial City site.
- Provide Levels 1, 2, and 3 technical support to end users on the ministerial network.

Network & Security Engineer – Professional Internship Jan – Jul 2025

ASIN – Agence des Systèmes d'Information et du Numérique – Cotonou, Benin

- Designed and deployed site-to-site VPNs between ASIN and international partners, and across government entities (municipalities, prefectures, agencies).
- Optimized WLAN coverage across all ASIN sites; installed and managed a Ubiquiti UniFi network.
- Supervised and monitored the national public-administration network.
- Evaluated load-balancing solutions to increase ASIN network resilience.
- Audited network infrastructures of several state-owned companies; produced LLD and HLD documents.
- Standardized and sized networks in public-sector organizations.
- Conducted technical surveys and drafted ToR for public bodies.
- Proposed VoIP solutions for ministries; performed comparative analysis of ISP offerings.
- Managed a major network incident and executed disaster recovery in a ministry environment.
- Deployed a PaperCut server for centralized print management across all sites.
- Conducted a ZTNA feasibility study for securing remote connections; installed firewalls and WAF.
- Performed network failover tests on multiple sites during pre-delivery phases.
- Provided technical support for the IT and network setup of a municipality and a health center.

Cybersecurity Intern Aug – Nov 2024

Port Autonome de Cotonou – Cotonou, Benin

- Drafted security policies; developed Business Continuity and Disaster Recovery Plans (BCP/DRP).
- Conducted Business Impact Analysis (BIA), vulnerability testing, and phishing incident response.
- Delivered cybersecurity awareness sessions to staff.

Network & Telecoms Support Technician Nov 2022 – Jul 2024

INT SARL – Informatique et Nouvelles Technologies – Benin

- Designed and deployed information systems and network infrastructures for clients.

- Drafted Business Continuity and Disaster Recovery Plans.
- Provided IT maintenance and technical support.

Fiber Optic Technician Jun – Oct 2022
FIBERCO SAS – Benin

- Performed FTTH splicing and connections; laid aerial and underground cable runs.

Business Analyst & SOC Project Manager Feb 2021 – May 2022
CYBASTION Benin – Cotonou, Benin

- Analyzed client requirements, defined project objectives, and coordinated cross-functional teams.
- Managed SOC operations and oversaw deployment tracking.

Development & Networking Intern Nov 2020 – Jan 2021
SoBAPS SA – Société Béninoise d'Approvisionnement en Produits de Santé – Benin

- Developed a web application; configured a local computer network.

Technical Skills

Security & Firewall	FortiGate, FortiManager, FortiAnalyzer, FortiWeb (WAF), Wallix Bastion, ZTNA, Wireshark, Tenable, Splunk, ISO 27001, PCI-DSS, SSL/TLS
Networking & Infra	Cisco Routing/Switching, SD-WAN, Site-to-Site VPN, Multi-VDOM, Dynamic VLAN, Load Balancing, VoIP, Free Mobility, FTTH/Fiber Optics, LLD/HLD, Datacenter Management
Wi-Fi & Monitoring	Ruckus AP & Controllers, Ubiquiti UniFi, Cisco AP, SolarWinds, Nagios, Zabbix, PaperCut, Huawei iMaster NCE
Tools & Simulation	GNS3, Cisco Packet Tracer, pNET, Oracle, MySQL, PL/SQL, PostgreSQL, Adobe Suite, Figma
Project Management	ToR drafting, BCP/DRP, BIA, Security Audit, Risk Analysis, Network Sizing

Training

2026	Palo Alto Networks Certified: Network Security Professional (NetSecPro)	
2025	Huawei – iMaster NCE CloudCampus Solution Planning & O&M	*Huawei ICT Academy*
2025	Huawei – Campus Network Switch Essential Ops & Maintenance	*Huawei ICT Academy*
2025	CCNP Collaboration Foundations	*Cisco Networking Academy*
2024	ISC2 CC – Certified in Cybersecurity	*ISC2, Self-Paced*

Certifications

2026	Palo Alto Networks Certified: NGFW Engineer	
2026	Fortinet NSE 6 – Certified in Secure Networking	
2025	Fortinet NSE 4 – Certified in FortiOS	
2025	Fortinet NSE 3 – Certified in Cybersecurity	
2025	Fortinet NSE 2 – Certified in Cybersecurity	
2025	Fortinet NSE 1 – Certified in Cybersecurity	
2024	EF SET English Certificate – B2 Upper Intermediate	*cert.efset.org/Rgrzvu*
2023	CCNA – Cisco Certified Network Associate	*Cisco Networking Academy*

Project Management

1. Procurement and deployment of network equipment for ASIN sites at YAYA and Saint-Michel buildings
2. Procurement of perimeter firewalls and network equipment to strengthen the infrastructure of the National Services Portal and the National Interoperability Portal
3. Procurement of out-of-band equipment for access to national networks (OOB switches)
4. Procurement and deployment of a centralized Fortinet firewall management solution (FortiManager) and multi-factor authentication (FortiAuthenticator)

Education

2024 Master's degree – Information Systems & Computer Networks — *IFRI – Institut de Formation et de Recherche en Informatique, Benin*

2022 Bachelor's degree – Network Administration — *ENEAM – École Nationale d'Économie Appliquée et de Management, Benin*

2018 Baccalaureate (Series C) – Sciences & Mathematics — *Collège Catholique Notre Dame de Lourdes (CCNDL), Porto-Novo*

Languages

French – Native

English – B2 Upper Intermediate (EF SET)

Fon – Native

Professional References

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