

ABDULLAH BADAWORD

Network & Cloud Engineer | Infrastructure Security Specialist

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PROFESSIONAL SUMMARY

Result-oriented Network & Cloud Engineer with hands-on experience engineering, securing, and optimizing enterprise IT infrastructure. Certified Microsoft Azure Administrator (AZ-104) and Cisco CCNA. Specializes in FortiGate NGFW (SD-WAN, IPsec VPN, UTM profiles), Enterprise Wireless Security (802.1X / Cisco WLC / RADIUS), Microsoft 365, Active Directory, and Linux infrastructure hardening. Track record of operational impact, including promotion from Technical Support Intern to full-time Network Engineer within 3 months based on solid performance and technical growth.

CORE COMPETENCIES & TECHNOLOGIES

- **Network Security & Firewalls:** FortiGate NGFW (FortiOS 7.6), SD-WAN, IPsec VPN, SSL Deep Inspection, IPS, Web Filtering, Application Control, UTM Profiles, VIP (NAT), FortiView, Policy Hardening, Cisco WLC, DHCP Snooping, Dynamic ARP Inspection, Web-Auth Captive Portal, Windows NPS
- **Wireless & Network Infrastructure:** Cisco WLC, 802.1X Authentication, Enterprise WLAN Security, Routing & Switching (Cisco IOS), OSPF (Multi-area), EIGRP, RIP, VLANs, Inter-VLAN Routing, STP, ECMP Load Balancing, WPA2-Enterprise, RADIUS, DHCP, DNS, TCP/IP Suite
- **Cloud Infrastructure & Identity:** Microsoft Azure (AZ-104), Entra ID, Virtual Networks (VNet), NSGs, VPN Gateways, Azure Monitor, RBAC, MFA, Conditional Access, Microsoft 365, Exchange Online
- **Systems & Linux Security:** Windows Server 2019 (AD DS, GPO, DNS, DHCP), Hybrid Identity Sync, Ubuntu Server, SSH Hardening (RSA 4096-bit), UFW Firewall, Fail2Ban, Bash Scripting
- **Telephony, Security & Tools:** Yeastar P560 PBX, Yealink/Grandstream VoIP, SIP Trunks, IP NVR Surveillance, Fanvil Access Control, Python, REST APIs, Microcontrollers (ATtiny85), EVE-NG, VMware, AnyDesk

PROFESSIONAL EXPERIENCE

Network Engineer (Full-Time) — Nitaq Network Company

Jeddah, Saudi Arabia | May 2025 – Feb 2026

- Configured and managed FortiGate Next-Gen Firewalls for client environments, implementing multi-zone security policies, IPsec Site-to-Site VPNs, UTM profiles, and VIP publishing.
- Administered Microsoft 365 and Exchange Online across client domains, configuring MFA, licensing, and email security settings (SPF, DKIM, DMARC) to mitigate phishing risks.
- Maintained Windows Server 2019 infrastructure, supporting Active Directory DS, Group Policies (GPO), DNS/DHCP services, and hybrid identity sync via Entra ID Connect.
- Deployed Yeastar P560 PBX systems with Grandstream/Yealink IP phones and SIP trunks, implementing QoS mechanisms for stable business voice communications.
- Integrated physical security hardware including Fanvil i60 access control and IP NVR CCTV systems across client branches.
- Provided Tier-2 technical support remotely and on-site, efficiently resolving network, server, and system incidents according to SLA standards.

Technical Support Intern — Nitaq Network Company

Jeddah, Saudi Arabia | Feb 2025 – May 2025

- Gained practical hands-on experience in enterprise routing, switching, FortiGate firewall configuration, and Azure cloud management.
- Earned early promotion to full-time Network Engineer in 3 months through demonstrated technical competence and initiative.

FEATURED TECHNICAL PROJECTS & SECURITY LABS

- **CyberKey — Automated Hardware Security & Incident Response** [ATtiny85 · Python · FortiGate REST API · Active Directory]
Engineered an end-to-end automated response mechanism: Hardware HID trigger → Bash listener → Python socket server → FortiGate REST API IP quarantine + Active Directory account lockout.
- **Enterprise FortiGate SD-WAN & Dynamic Routing Lab** [EVE-NG · FortiOS 7.6 · EIGRP]
Configured dual-link ECMP load balancing over EIGRP AS10 with SD-WAN virtual zones, SLA health checks, AV/IPS security profiles, and iperf3 throughput benchmarking.
- **Enterprise Wireless Security Lab — 802.1X + FortiGate + Cisco WLC** [EVE-NG · Cisco WLC · Windows NPS · FortiGate]
Deployed Cisco WLC dual-SSID (Employees WPA2-Enterprise + Guests Web-Auth), 802.1X RADIUS via Windows NPS + Active Directory, FortiGate zone-based policies, Guest VLAN isolation, and DHCP Snooping + DAI.
- **FortiGate Multi-Zone NGFW & Site-to-Site IPsec VPN** [EVE-NG · FortiOS 7.6]
Implemented a 3-zone architecture (LAN/DMZ/WAN) featuring IPsec Site-to-Site VPN tunnels, SSL Deep Inspection, Application Control, IPS profiles, and VIP server publishing.

- **Enterprise Network Lab — Multi-Site OSPF & Active Directory** [EVE-NG · Cisco IOSv · Windows Server 2019 · VMware]
Designed and deployed a multi-site enterprise topology in EVE-NG featuring multi-area OSPF routing across Cisco IOSv routers, VLAN segmentation, Router-on-a-Stick inter-VLAN routing, Windows Server 2019 AD DS, DHCP Relay, and DNS.
- **Linux SSH Server Hardening & Defense-in-Depth** [Ubuntu Server · OpenSSH · UFW · Fail2Ban]
Deployed server hardening: RSA 4096-bit key authentication, disabled password/root access, port remapping (2200), custom UFW rulesets, and automated Fail2Ban brute-force protection.
- **Secure Cryptographic Web Application** [Python · Flask · Hybrid Encryption]
Developed a secure web application utilizing AES-256 GCM + RSA hybrid cryptography, PBKDF2HMAC key derivation, OAuth 2.0, and MFA for university graduation project.

CERTIFICATIONS & EDUCATION

- **AZ-104 Microsoft Certified: Azure Administrator Associate** — Microsoft (May 2026)
- **CCNA Cisco Certified Network Associate** — Cisco Systems (July 2024)
- **Bachelor of Science in Network Security** — Arab Open University, Saudi Arabia (2025)

LANGUAGES

- **Arabic:** Native | **English:** Professional Working Proficiency