

Mohamad Hossam El-Adly

Network Security Engineer

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PROFESSIONAL SUMMARY

Detail-oriented Network Security Engineer with 5+ years of experience in designing, implementing, and securing large-scale network infrastructures. Specialized in firewall management, SD-WAN implementation, and automation using Python to enhance operational efficiency.

EDUCATION

B.Sc. in Communications Engineering | 2015 – 2020 *Dual Degree: The British University in Egypt & London South Bank University*

TECHNICAL SKILLS

- **Security & Networking:** CCNA, CCNP ENARSI, Fortinet NSE4, Sophos, Meraki SD-WAN, Aruba (SWs, APs), Juniper SWs, VeloCloud SD-WAN, and Kaspersky Security Center.
- **System Administration:** VMware vSphere/ESXi, Proxmox, MCSA, Windows Server (AD, WDS, Print/File Servers).
- **Other:** Python (Scripting & Automation).

WORK EXPERIENCE

El-Ezaby Pharmacies | Cairo, Egypt

Network Security Engineer / Network Engineer | June 2023 – Present

- **Security Infrastructure:** Architected and implemented multi-layered security solutions including Kaspersky Security Center, Sophos, and FortiGate Firewalls utilizing VDOMs for granular traffic segmentation.
- **SD-WAN & Cloud Systems:** Spearheaded the migration of 500 branch sites from legacy MPLS to VeloCloud SD-WAN; deployed and managed VeloCloud Orchestrator (VCO) and Gateways (VCG) across both private cloud and on-premises server environments.
- **Network Architecture:** Orchestrated a total overhaul of HQ wired and wireless infrastructure, replacing obsolete hardware with high-availability Core and Access switches and next-gen Wireless Controllers (WLC) while optimizing VLAN architecture.

- **Automation & Monitoring:** Developed custom Python scripts for real-time branch status monitoring, automated error notifications, and streamlining repetitive tasks through automation.
- **Incident Response & Operations:** Lead investigation and mitigation of security threats while maintaining critical site-to-site VPN and MPLS architectures to ensure 99.9% network uptime and resilience.

El Said Group | Cairo, Egypt

Network/System Engineer | Jan 2023 – May 2023

- **Connectivity:** Managed site-to-site VPN across 35 branches, HQ, and Call Center using DrayTek Vigor, implemented Sophos Home VMs for HQ/Data Center traffic control.
- **System Administration:** Managed VMware ESXi hosts, Administered Domain Controllers, file servers, and automated SQL database backups to FTP.
- **Endpoint Security:** Managed Kaspersky Security Center for 500 devices, implementing distribution points to reduce network congestion.

Misr Pharmacies | Cairo, Egypt

Support/Network Engineer | Jan 2022 – Dec 2022

- **Project Lead:** Successfully implemented a Sophos VPN project across all company branches.
- **Network Setup:** Configured and maintained routers, switches, WAN accelerators, and DHCP/DNS protocols.

Abaza Auto Trading | Cairo, Egypt

Support Engineer | Jan 2021 – Dec 2021

- **Optimization:** Developed a customized Windows ISO image with pre-configured software to reduce system deployment time.
- **IT Support:** Managed hardware/software configurations and domain account provisioning for new users.

LANGUAGES

- **Arabic:** Native.
- **English:** Very good.