

Aktham Khaleel Alarabi

Network & Cloud Security Engineer

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SUMMARY

Network & Cloud Engineer with experience in enterprise networking, SIEM monitoring, and Azure cloud infrastructure. Proficient in designing secure and scalable network infrastructures with automation using Python. CCNA certified and interested in contributing my skills to cloud-driven infrastructure and security operations.

CORE SKILLS

Network Monitoring	Routing & Switching	Network Operations	Firewall Configuration	Troubleshooting
Service Availability	Microsoft Azure	Cloud Infrastructure	Virtual Networks	Root Cause Analysis
TCP/IP	Security Operations	Python Automation	Linux Administration	API Integration

EDUCATION

Bachelor of Science in Electrical Engineering
Network & Systems Security, Al-Balqa Applied University, Faculty of Engineering Technology, Amman, Jordan
Graduation: Feb 2026
GPA: 3.24/4.00

EXPERIENCE

ITSM Consultant | DIMA Solutions Ltd, Co.

Amman, Jordan | Feb 2026 – Present

- Implementing and configuring OpenText SMAX & Service Manager aligning with ITIL practices
- Customize workflows to improve incident resolution and service delivery
- Manage and optimize ITSM platforms to enhance operational efficiency.

Cybersecurity Intern (SOC Analyst) | Specialized Technical Services (STS) – A ZainTECH Company

Amman, Jordan | Nov 2025 – Jan 2026

- Built a Splunk-based SIEM lab with Sysmon for threat detection and monitoring
- Conducted penetration testing (VPN cracking, privilege escalation) under ROE
- Performed vulnerability assessments using Nessus and reported remediation plans
- Automated threat intelligence and reconnaissance using Python (VirusTotal API)

Technical Support Intern (Part-Time) | General Computers and Electronics Co. (GCE)

Amman, Jordan | Oct 2025 – Jan 2026

- Deployed and configured Windows systems at scale for enterprise environments
- Supported on-site IT projects for government clients (MoE, PSD)
- Diagnosed and resolved hardware/software issues and handled system provisioning

IEEE Computer Society Volunteer | Member Development (MD Team)

Amman, Jordan | Feb 2026 - Present

- Developed a Python-based Discord bot to automate quizzes and engagement
- Organized technical content, workshops, and tracked community participation metrics

CERTIFICATIONS

- Cisco Certified Network Associate (CCNA) – *Certified, Issued: May 2025*
- BTL-1 – Blue Team Level 1 – *Training Completed*
- CompTIA Security+ – *Training Completed*
- Microsoft Azure Administrator (AZ-104) – *Training Completed*
- Microsoft Azure Fundamentals (AZ-900) – *Training Completed*
- Microsoft Azure Security Engineer (AZ-500) – *Training Completed*
- Microsoft Azure Solutions Architect (AZ-305) – *In Progress*

SELECTED PROJECTS

Conversational Firewall Management: AI-Guided Network Operations (Capstone Project) | Mar 2025 – Sept 2025

Developed an AI-assisted firewall management platform with a focus on network design, security, and connectivity.

Role: Network & Security Engineer

- Designed and deployed a network topology in GNS3 using Cisco IOS with OSPF routing
- Configured and secured OPNsense firewall, including rules, NAT, and port forwarding
- Enabled external connectivity via NAT, port forwarding, and Cloudflare DDNS integration
- Tested and integrated firewall REST APIs for automated network operations

- Troubleshoot and maintained end-to-end connectivity across routing, DNS, and firewall layers

Enterprise SIEM Deployment & Attack Detection Lab (Splunk) | Dec 2025

Built a centralized SIEM environment to monitor network and system activity and detect real-world attack scenarios.

Role: Network & Security Engineer

- Deployed Splunk Enterprise with forwarders across Windows servers and network devices
- Ingested logs from Sysmon, Windows Event Logs, and Cisco IOS syslogs
- Developed detection rules for brute-force, DoS, and exploitation attacks
- Built dashboards for monitoring network activity, attack patterns, and system health
- Automated alerting and telemetry collection using Python scripts

Performance Evaluation of HAProxy Load Balancing Algorithms | Dec 2025

Role: Network Engineer

- Designed a GNS3-based test environment with HAProxy as a reverse proxy on Ubuntu servers
- Evaluated Round Robin, Least Connections, and Source-IP load balancing algorithms
- Simulated production traffic using ApacheBench and measured throughput and latency
- Identified Least Connections as more resilient under backend degradation conditions

IoT Protocol Performance Analysis: MQTT vs CoAP | Aug 2025

Role: Network Engineer

- Built a GNS3-based IoT test environment with Ubuntu VMs and Azure cloud integration
- Implemented MQTT and CoAP communication using Python-based clients/servers
- Simulated network conditions (latency, packet loss, bandwidth limits) using Linux tools
- Analyzed protocol performance in terms of latency, reliability, and throughput

TECHNICAL SKILLS

- **Network Engineering:** Advanced Routing (OSPF, EIGRP, BGP) & Switching (VLAN, STP, EtherChannel), L2/L3 Architecture, Network Services (DNS, DHCP, NTP).
- **Cybersecurity & SOC Ops:** SIEM (Splunk, SPL) & Log Analysis, Incident Response (NIST), Vulnerability Management (Nessus), Firewall & VPN (Cisco, OPNsense, IPsec), IDS/IPS (Suricata).
- **Cloud & Infrastructure:** Microsoft Azure (AZ-104/500/305), Virtualization (VMware, VirtualBox), Cloudflare API, GNS3/Packet Tracer.
- **Automation & Development:** Python & Bash Scripting, Network Automation, RESTful APIs, SQL, C++.
- **ITSM & Governance:** ITIL Framework, OpenText SMAX, Incident & Change Management.
- **Systems:** Linux (Kali, Ubuntu), Windows Server, FreeBSD.

LANGUAGES

- Arabic: Native
- English: Professional Proficiency