Kudzayi Mwashita

NETWORK SECURITY ENGINEER

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SUMMARY

Network security engineer with six-plus years running production infrastructure for Amazon fulfillment operations across 30+ sites. Cisco and Juniper at the core, Junos firewalls at the edge, segmentation and ACL policy as the control, and packet-level forensics when that is not enough. Finishing an MS in Computer Science with a cybersecurity concentration at Arizona State, December 2026. Four years writing C# before that, on a system still in production — so the automation is written by someone who has shipped software for a living.

TECHNICAL SKILLS

Network Infrastructure: Cisco IOS, Juniper Junos, SD-WAN, routing and switching, VLANs, network segmentation, Access Control Lists (ACLs), Cisco Wireless LAN Controller (WLC), network design and hardening

Firewalls and Security Appliances: Juniper SRX, Cisco ASA, Palo Alto, Fortinet, firewall policy management, least-privilege access

Monitoring and Analysis: Wireshark, SolarWinds, Cisco Prime, Nagios, packet capture analysis, root-cause analysis

Operating Systems: Windows Server, Red Hat Enterprise Linux, Ubuntu, Active Directory

Automation and Development: Python, Bash, PowerShell, C#/.NET, C/C++, Java, network automation, configuration management, Microsoft Dynamics NAV, ERP and CRM systems

Security Operations: Incident response, breach containment, vulnerability management, endpoint security, 24/7 on-call escalation, technical documentation

Frameworks and Compliance: NIST Cybersecurity Framework, ISO 27001, CIS Controls, GDPR, HIPAA

Security Tooling (coursework and lab environments): Splunk, ELK Stack (Elasticsearch, Logstash, Kibana), Snort, Suricata, Nessus, Kali Linux

PROFESSIONAL EXPERIENCE

Amazon · San Francisco, CA

IT Support Engineer — Network Infrastructure and Security · December 2019 – Present

- Design, deploy and maintain production network infrastructure across 30+ Amazon Fulfillment Center (FC), Sub Same Day (SSD) and Amazon Logistics (AMZL) sites on Cisco and Juniper platforms, including SD-WAN connectivity and Junos-based firewalls.
- Enforce network segmentation and least-privilege access by configuring and tuning firewall policies and Access Control Lists (ACLs), closing security gaps before they reach production rather than after.
- Hold the escalation seat in a 24/7 on-call rotation for network and security incidents across FC, SSD and AMZL facilities, containing breaches and restoring service inside a one-hour response target.
- Automate network and security operations in Python, Bash and PowerShell, cutting manual configuration work by 34.7% and standardising device hardening across every site.
- Keep the Amazon Robotics network environment up, sustaining the connectivity that automated material-handling and sortation depend on — when it drops, the floor stops moving and the site misses its ship window.
- Run packet-level root-cause analysis with Wireshark, SolarWinds and Cisco Prime on routing, latency and connectivity failures, on systems where the cost of guessing is a missed delivery promise.
- Built and delivered technical training for 25 engineers on firewall administration and infrastructure troubleshooting, and act as the translation layer between network constraints and the operations teams who have to live with them.

EDUCATION

Master of Science, Computer Science — Cybersecurity Concentration

Arizona State University, Tempe, AZ · Expected December 2026

Bachelor of Science, Computer Science

Colorado State University, Fort Collins, CO

CERTIFICATIONS

- Cisco Certified Network Associate (CCNA) — Cisco
- AWS Certified Cloud Practitioner — Amazon Web Services
- Cybersecurity Program — Correlation One
- Six Sigma Yellow Belt