RASOUL SALAMINIA

Network Engineer

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PROFILE

Network Engineer with a strong track record designing, securing and migrating enterprise network infrastructure. Deep experience in datacentre networking (Cisco Nexus/ACI), dynamic routing (BGP, OSPF, EIGRP) and WAN connectivity (MPLS/VPLS). Hands-on Microsoft Azure cloud and hybrid networking experience and a strong background across enterprise firewalls (Palo Alto, FortiGate, Cisco Firepower, Juniper, Sophos), IDS/IPS, application control, Zero Trust access, WAF, and certificate-based (PKI) authentication with RADIUS/AAA solutions such as Aruba ClearPass and Cisco ISE. Proven record leading network transformation projects from on-premises to cloud and hybrid environments, across LAN/WAN/WLAN, SD-WAN and multi-site connectivity. Deep experience with Cisco Meraki, packet capture and protocol analysis, network monitoring and SIEM logging, high-availability virtualisation (VMware ESXi/vCenter, Microsoft Hyper-V), containerisation (Docker, Podman) and SAN/NAS storage (iSCSI, Fibre Channel), building segmented, highly available architectures. Strong experience in security operations, incident response, vulnerability management and ISO 27001 ISMS frameworks.

CORE SKILLS

Cloud & Networking: Datacentre: Cisco Nexus, ACI · Cisco routing and switching · Cisco ISR/ASR routers · Dynamic routing (OSPF, BGP, EIGRP) · SD-WAN design & implementation · VPN (IPsec/SSL) · Cisco Meraki (MX, MS, MR) · Microsoft Azure cloud solutions (VNets, hybrid connectivity, NSGs, Azure Firewall, VPN Gateway, Azure DNS) · Cloud migration & transformation (on-prem to cloud/hybrid) · WiFi design · LAN/WAN/WLAN design, optimisation & troubleshooting

Switching: Cisco Catalyst and Nexus switches · VLANs, STP/RSTP, VRRP, GLBP · Port security · 802.1X

Virtualisation & Storage: VMware ESXi/vCenter · Microsoft Hyper-V · Failover clustering & high availability · SAN/NAS (EMC, NetApp, HP, Synology) · iSCSI · Fibre Channel (FC) · SAN switch (HP, Brocade) · Backup server & replication · Veeam backup & recovery

Security & Zero Trust: Next-gen firewalls: Palo Alto, Fortinet (FortiGate, FortiWeb WAF, FortiAnalyzer, FortiAP, FortiManager), Cisco Firepower, Sophos UTM, OPNsense · IDS/IPS · Application control · Firewall security policy design & implementation · WAF · SIEM, rsyslog · Zero Trust segmentation & secure access controls · Certificate-based authentication & PKI (CA, Intermediate CAs, certificate profiles) · 802.1X · RADIUS/AAA (Aruba ClearPass, FreeRADIUS, Cisco ISE) · Network security hardening & auditing · Patch management · Vulnerability management

Systems: Windows Server, Active Directory & DNS · Linux administration · Microsoft 365 · Mail server administration · VoIP & IP telephony

Containers & Automation: Docker · Podman · Containerised network and security services · Network automation (Python, PowerShell, Bash)

Compliance & Operations: ISO 27001 ISMS (internal audits, risk & incident management) · NIAP security testing & certification · Isolated test-network design · Packet capture & protocol analysis: Wireshark, tcpdump · Network monitoring & alerting (SolarWinds, PRTG, MRTG, Zabbix; SNMPv2c/v3) · Documentation & asset tracking

WORK EXPERIENCE

Network Engineer | pureLiFi, Edinburgh 2023 – Present

- Design, implement, and secure network infrastructure using FortiGate, OPNsense, FortiAP, Cisco, Synology, and HPE servers
- Configure and manage firewalls (FortiGate, OPNsense), including IDS/IPS, application control and security policy setup
- Capture and analyse network traffic using Wireshark and tcpdump to troubleshoot and validate TLS/SSL behaviour of protocols such as HTTPS, RADIUS over TLS (RadSec) and rsyslog over TLS, OpenLDAP over TLS (LDAPS/StartTLS), including digital certificate exchange and validation, and other network protocols
- Design and implement LAN and WAN networks and support them across multiple branches and networks
- Design and deploy WPA2/WPA3 Wi-Fi and LiFi with certificate-based authentication, integrating Aruba ClearPass, Cisco ISE, Microsoft NPS, and FreeRADIUS
- Build and maintain VMware ESXi/vCenter and Microsoft Hyper-V environments, including Failover Clustering and High Availability
- Install, configure, and maintain SAN/NAS storage (Synology, HPE), including iSCSI and Fibre Channel (FC) connectivity
- Install and maintain Veeam backup and replication, including backup and recovery and disaster recovery
- Deploy and manage containerised services using Docker and Podman (including rootless Podman and Compose-based deployments) to host internal tools, monitoring, and test and lab services
- Configure and manage Cisco routing and switching (VLANs, RSTP, port security, 802.1X, OSPF, EIGRP, VRRP, GRE)
- Install, configure, and maintain Certificate Authority (CA) and PKI infrastructure, including Root/Intermediate CAs and certificate profiles
- Deploy site-to-site IPsec VPN with certificate-based authentication and SSL VPNs for remote access
- Design and operate hybrid connectivity between on-premises networks and Microsoft Azure, including Azure virtual networks, subnets, and route tables, secured with Network Security Groups and site-to-site IPsec VPN
- Manage, monitor and troubleshoot network infrastructure, including Cisco routing and switching, VPN, wireless and firewall services, to maintain availability and performance
- Monitor and troubleshoot Azure network connectivity and performance, and support cloud workloads and services across the hybrid environment
- Install and maintain Windows services such as Active Directory, DNS server, and DHCP server
- Install and maintain Linux services such as Rsyslog, Nginx, MySQL, and FreeRADIUS

- Support ISO 27001 (ISMS) and Cyber Essentials Plus certification and compliance, including internal audits, risk management, and incident management
- Develop network automation using Python, PowerShell, and Bash to streamline configuration, monitoring, and operations
- Deploy patches, remediate vulnerabilities, and implement security updates across on-premises and cloud infrastructure while minimising service disruption

Network Engineer | Favajam (Managed Service Provider, MSP) 2016 – 2023

- Designed, implemented, optimised, and secured enterprise LAN, WAN and WLAN infrastructure for MSP customers
- Installed, configured, and maintained WAF, firewalls, routers, switches, and servers
- Designed and implemented dynamic routing protocols, including OSPF, BGP, and EIGRP
- Datacentre design and implementation based on Nexus switches and Cisco ACI; designed and installed F5 load balancer
- Designed, implemented and supported Fortinet solutions for MSP customers, including FortiGate, FortiWeb (WAF), FortiAnalyzer, FortiAP and FortiManager
- Deployed and supported Palo Alto, Sophos, Cisco, Juniper, HP, QNAP, and Synology network and infrastructure solutions
- Designed and implemented SD-WAN based on Fortinet
- Deployed, configured, and managed Cisco Meraki cloud-managed networks, including MX security appliances, MS switches, and MR wireless access points
- Deployed secure WAN connectivity between branch sites using MPLS, VPLS, and internet
- Planned and delivered on-premises to Microsoft Azure migrations for customers, covering hub-and-spoke landing-zone design, hybrid connectivity (IPsec VPN, VPN Gateway, BGP), security (NSGs, Azure Firewall, Zero Trust segmentation), Entra ID and DNS integration, and backup and monitoring
- Designed and installed SAN switches and SAN storage (EMC, NetApp) using iSCSI and Fibre Channel (FC); provided network and security solutions for customers, including pre-sales technical consulting
- Implemented SIEM integration and centralised log collection using rsyslog for security monitoring and incident investigation
- Monitored network and infrastructure health using SolarWinds, PRTG, MRTG and Zabbix, with SNMPv2c and SNMPv3
- Designed, implemented, and supported WLAN using Ubiquiti, Cisco, FortiAP, EnGenius, and MikroTik technologies
- Installed, configured, and maintained Linux-based services (Squid, Zimbra mail server, Zabbix monitoring, BIND, Elastix)
- Implemented security hardening and vulnerability remediation across LAN/WAN networks and servers
- Deployed and maintained highly available virtualisation infrastructure across on-premises and cloud environments, including VMware ESXi/vCenter and Microsoft Hyper-V with failover clustering and high availability
- Provided network, infrastructure and security solutions for company customers
- Delivered network support and troubleshooting
- Delivered network security hardening, security auditing and network optimisation across LAN and WAN networks

Network Engineer | Telecommunication ICT Company (Telecommunications) 2014 – 2016

- Administered Windows Server, Active Directory, DNS, DHCP and Exchange; deployed Linux services
- Designed a new datacentre and led the migration from the old datacentre to the new one
- Designed, implemented and maintained LAN and WAN networks, installing routers, switches and firewalls
- Configured and maintained Cisco Catalyst switches and Cisco ISR and ASR routers for a telecommunications service provider
- Conducted security assessments, hardening and configuration reviews across network, firewall, wireless and infrastructure environments
- Deployed and supported Windows servers, Linux services, and virtualisation infrastructure and storage
- Designed and configured wireless point-to-point (P2P) links using outdoor access points operating at 5.8 GHz to extend WAN connectivity between sites
- Supported 24x7 LAN, WAN and datacentre network operations based on ITIL processes, including site-to-site GRE tunnels with EIGRP and OSPF routing

Linux Administrator | Gam Electronic 2012 – 2014

- Installed and supported Linux-based office automation systems based on Oracle Application Server and Oracle Database
- Installed, configured and maintained Linux systems and services such as Squid, Apache, Postfix and OpenLDAP

Network Engineer | Atinegar 2008 – 2012

- Designed and implemented RADIUS/AAA server solutions for Internet Service Providers, including ADSL providers and WISPs
- Installed and supported LAN accounting based on VPN servers (L2TP, PPTP) and web proxy for internet bandwidth shaping
- Designed and troubleshot LAN infrastructure across core, access and distribution layers
- Configured and supported Cisco and Juniper firewalls; deployed and administered Windows Server environments including Active Directory, IIS, DNS and WSUS

EDUCATION & CERTIFICATIONS

Education: Bachelor of Computer Science

Microsoft: Azure AZ-104 and AZ-700 (self-study) · MCSA

Cisco: CCNA & CCNP Routing & Switching · CCNA & CCNP Security (AsreShabake) · Cisco Firepower (self-study)

Firewalls: Fortinet Firewall (FCNSA) · Fortinet WAF (MFT) · Sophos UTM (self-study)

VMware: VMware ICM · VMware VCP

Linux: Linux LPIC-1 · Linux LPIC-2 (Sharif Institute)

Security: ISO 27001:2022 Internal Auditor (Alcumus ISOQAR) · CISSP, CEH and SOC training courses (CareerArgham)

ITIL & Data Centre: ITIL Foundation v3 · CDCP Data Centre Infrastructure (CareerArgham)