

Anwer Jahangeer

With overall 15 years of experience in Networking, Cloud and Network Security, I have helped building the enterprise networks, telecom networks, and Cloud Service Provider networks. I helped in developing the troubleshooting tools, network monitoring proactive and reactive.

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WORK EXPERIENCE

Microsoft

Networking SME & Network Security Expert – Azure & Hybrid Environments Nov 2021-Current

- Serving as Subject Matter Expert (SME) for Azure networking services including ExpressRoute, Azure Load Balancer, Application Gateway, Web Application Firewall (WAF), Virtual WAN, Azure Firewall, Virtual Networks (VNet), VNet Peering, and VPN Gateway.
- Working as a Palo Alto Network Security Expert, managing and maintaining Next-Generation Firewalls (NGFWs) and Palo Alto PAN-OS SD-WAN environments.
- Troubleshooting complex hybrid network infrastructures involving Juniper, Cisco, and Arista devices.
- Building Proof of Concepts (PoCs) and labs for SD-WAN solutions, including Palo Alto and Fortinet.
- Developing dashboards and internal tooling for Azure network services, along with customer-focused alerting and monitoring mechanisms.
- Contributed to the testing of post-quantum cryptography (PQC) in IPSec tunnels, measuring response time and performance impacts.
- Engaged in pilot initiatives for migrating enterprise workloads to cloud-native networking solutions using Aviatrix.
- Designing and validating lab environments in virtualization platforms such as VMware ESXi.
- Creating and maintaining Terraform scripts to automate network infrastructure provisioning and configuration.

Open Systems AG

Sr. Network SD-WAN Engineer Feb 2021 - Nov 2021

- Provided L3-level support for Open Systems' managed SD-WAN customers, resolving complex networking and security incidents.
- Led the deployment and configuration of Open Systems' SD-WAN solutions across customer environments.
- Implemented SASE components including next-generation firewalls and secure web proxy services.
- Delivered DNS infrastructure and services tailored to customer requirements.
- Performed Azure cloud network implementations, integrating Open Systems services within cloud environments.
- Actively participated in Mission Control operations, supporting critical networking and security infrastructure for global clients.
- Managed URL filtering policies by allowing/blocking access based on threat intelligence sources such as VirusTotal.

Risk Management Solutions

Senior Network Engineer III – Enterprise Infrastructure May 2020 - Feb 2021

- Designed, implemented, and maintained Spine-Leaf and Core-Distribution switching topologies using multi-vendor solutions including Cisco Nexus (3K/5K/7K), Arista 7050, and Juniper EX Series (Access Layer).
- Provided Level 3 network support for a large-scale enterprise network spanning 4 hub and 7 spoke locations.
- Led firewall migration from end-of-life Palo Alto 5000 series to Palo Alto 3260, including policy conversion and cutover planning.

- Managed and maintained a diverse switch infrastructure including Cisco 2960, 3850 series, Arista, and Nexus platforms.
- Administered external DNS (Dyn) and internal DNS (Infoblox) services to ensure high availability and resolution accuracy.
- Worked closely with vendors to identify and replace EOL hardware, optimizing performance and reducing operational costs.
- Contributed to automation initiatives, including CMDB migration from NetBox to ServiceNow and enhancing network monitoring workflows.
- Integrated LibreNMS for network monitoring and configured alerting via Slack and Outlook to improve incident response time.

Ericsson AB

Network Solution Integration Engineer

Aug 2018 - May 2020

- Worked onsite in Sweden as part of the XaaS (Everything-as-a-Service) project, delivering integrated network solutions for service provider environments.
- Troubleshoot complex multi-vendor networking issues involving Juniper, Cisco, Palo Alto, and Huawei platforms.
- Performed advanced packet analysis and diagnostics to resolve implementation and performance challenges.
- Engineered and deployed end-to-end, route-based IP network solutions, ensuring secure and reliable connectivity.
- Designed and implemented VPN infrastructure to support secure remote access.
- Collaborated with vendors to evaluate and integrate optimal solutions for enhancing network performance and stability.
- Monitored and analyzed network capacity and performance, proactively identifying and resolving issues in high-demand environments.

Accenture

Network Engineer – MPLS & ISP Infrastructure

Mar 2016 - Aug 2018

- Managed MPLS and ISP networks with a strong focus on BGP, L2VPN, and L3VPN technologies for enterprise and service provider environments.
- Handled firewall configurations and security policies on customer premises equipment (CPE).
- Worked extensively with Cisco ASR and Catalyst series, as well as Juniper MX and EX series routers and switches.
- Delivered complete end-to-end engineering and deployment of route-based IP network solutions.
- Troubleshoot complex, multi-vendor network issues in high-availability service provider networks.
- Analyzed underperforming network segments and implemented optimization strategies to enhance performance and reliability.

ABN Square Technosys Pvt Ltd

Network Engineer

Jun 2015 - Mar 2016

- Led LAN and WAN infrastructure projects for enterprise customers, focusing on designing and implementing scalable network solutions.
- Evaluated and selected cost-effective vendor solutions to reduce operational expenses while maximizing network performance and reliability.

Jauhar College of Engineering and Technology Lecturer and LAN Admin

Jun 2010 - Jun 2012

- Developed and implemented innovative teaching strategies to enhance student engagement in lectures and coursework.
- Designed, deployed, and maintained university LAN, WAN, and wireless network infrastructure to support academic and administrative operations.

Indian Telenetwork Solutions

- Worked as a Project Engineer specializing in wireless transmission media, contributing to the planning and deployment of wireless communication infrastructure.
- Provided hands-on support to the NOC team during the installation and configuration of new routers and switches, ensuring seamless network integration and minimal downtime.

EDUCATION

Al-falah School of Engineering and Technology, MD University, Rohtak

Masters in Electronics and Communication Engineering

Jun 2014

Moradabad Institute of Technology, Uttar Pradesh Technical University, Lucknow

Bachelors in Electronics and Communication Engineering

Jun 2009

- Moradabad Institute of Technology, Uttar Pradesh Technical University, Lucknow
- Bachelors in Electronics and Communication Engineering Jun 2009

PROJECT

SKILLS

Cloud Networking ●●●●● Cloud Infrastructure ●●●●● Enterprise Networking ●●●●●
Cloud Automation ●●●●● Firewalls ●●●●● SP Networking ●●●●●

- Azure: Virtual Networks, Virtual Machines, VNet Peering, Cloud Monitoring, Backend Network Infrastructure
- AWS: Cloud deployment and networking
- Google Cloud (GCP): Deployment and network infrastructure
- Infrastructure as Code (IaC): Terraform (Cloud automation, Kusto queries)
- Networking Fundamentals: TCP/IP, OSI Model, Packet Flow Analysis
- Routing Protocols & Technologies:
- BGP / MP-BGP, OSPF, MPLS, L2VPN / L3VPN, SD-WAN
- Platforms: Cisco ASR (1000, 9000), Juniper MX (80, 5T, 10003), Huawei, Linux (open-source routing)
- Switching Technologies: Spanning Tree, VXLAN, vPC / MLAG, EtherChannel, VRRP / HSRP
- Topologies: Spine-Leaf Architecture, Core-Distribution Architecture
- Switch Platforms: Arista, Cisco Nexus & Catalyst, Juniper EX & QFX
- Network Security: Network & Zone-Based Firewalls, Security Policies / ACLs, NAT
- Security Profiles (Antivirus, URL Filtering, etc.), DNS, DHCP, IPAM
- Authentication: 802.1X, MAB (MAC Authentication Bypass)
- Firewall Platforms: Palo Alto Networks, Juniper SRX, Cisco ASA, FortiGate,
- Open Systems loud Zone-Based Firewall
- DNS Platforms: Infoblox, Dyn, Open Systems DNS, Azure DNS, Cloudflare
- SD-WAN Solutions: Open Systems Managed SD-WAN, Fortinet SD-WAN, Palo Alto SD-WAN