

Yahya

Network Engineer

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Summary:

Analytic Network Engineer with 2 years of experience in managing LAN/WAN networks and a strong background in modern network technologies and Cloud Computing. Accomplished network developer with proven success in designing and implementing business connectivity solutions. Focused on maintaining network scalability & availability of on-premises and cloud systems to provide customers with seamless data management.

Technical Competencies:

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|-----------------------|--------------------------|--------------------------|--------------------|
| ▪ TCP/IP | ▪ Azure Virtual Networks | ▪ VMware NSX | ▪ Terraform |
| ▪ LAN/WAN/WLAN | ▪ Azure Storage | ▪ VMware vSphere | ▪ Ansible |
| ▪ SDWAN + SASE | ▪ Azure Entra ID | ▪ Network Virtualization | ▪ PowerShell |
| ▪ Cisco Devices | ▪ Azure Migration | ▪ Server management | ▪ Bash |
| ▪ Ubiquiti Devices | ▪ Azure VPN connectivity | ▪ MySQL | ▪ Python Scripting |
| ▪ FortiGate Firewall | ▪ Azure Firewall & NSG | ▪ Windows & Linux Server | ▪ CI/CD |
| ▪ Routing & switching | ▪ Azure ExpressRoute | ▪ Hyper-V | ▪ SDN Automation |

Work Experience:

ATMECS Technologies, India, Hyderabad

A leading service-based company providing innovative solutions, with over 2000 satisfied clients and \$60M+ in annual revenue.

Network Engineer

June 2022 – December 2023

Network Administration & SDWAN Support:

- Managed computer systems, established spine-leaf, collapsed tier network architectures as per client's needs.
- Configured **Cisco routers (2600, 2800, 3600, 3800 series)**.
- Installed and Maintained **Cisco switches (2950, 3700, 6500, NX series)**.
- Implemented switching protocols (**port security, EtherChannel, STP, VLANs, inter-VLAN routing**)
- Performed network configuration, troubleshooting (routing, IP assignments, performance tuning)
- Configured **routing protocols (OSPF, BGP, EIGRP)**, **route redistribution** and leveraged **ECMP** for optimal path selections.
- Enhanced network security measures against unauthenticated, unauthorized, and inconsistent privilege access to the users by updating and configuring **FortiGate Firewalls, ACLs, WLAN security**, resulting in 15% system security improvement.
- Assisted in network topology design and documentation.
- Troubleshot network, server issues, raised tickets and resolve them based on priority.
- Utilized **SNMP** configurations and integrated various network equipment to **SolarWinds** for better network visibility.
- Deployed, managed mesh **WLAN (UniFi Security Gateways, PoE switches, APs)**.
- Configured **FortiGate firewalls (policies, VDOMs, clustering)** and acquired practical exposure working on **Palo Alto firewalls**.
- Managed and **Monitored issues on SDWAN** over 100+ routers, identified and resolved bottlenecks.
- Onboarded **SDWAN vEdge routers** and assisted with **MPLS** underlay design, providing optimal and manageable network design.
- Documented various SDWAN configurations, network diagrams, **troubleshooting** for future reference.
- Coordinated Network Team in installing and configuring network devices for optimal latencies, providing 20% of business continuity improvement, future compatibility, and management flexibility.

VMware Network Monitoring & Management:

- Designed and implemented **VMware NSX network virtualization** and **micro-segmentation solutions** for enhanced security and network automation.
- Installed, configured, and managed virtual machines across **VMware vSphere** environments.
- Administered **ESXi server clusters**, performed resource management and capacity monitoring via **vCenter**.
- Deployed and managed monitoring servers on the vSphere platform for network and systems monitoring.

- Collaborated with teams to implement vSphere patch and change management strategies aligned with client requirements.
- Contributed to building **VMware vRealize** Automation solutions on vSAN clusters.

Azure Connectivity & Cloud Adoption Support:

- Configured and optimized **Azure virtual networks, VNet peering**, user-defined routes (UDRs), and **network security groups (NSGs)** for secure and scalable cloud deployments.
- Implemented **Azure networking services** like **Azure WAN**, **Network Watcher**, **DDoS protection**, and **Entra ID for governance and network resiliency**.
- Good exposure in implementing **hybrid cloud architectures**, establishing **VPN connectivity** and **Azure sync** with on-premises systems for seamless data synchronization.
- Supported **Windows Server** user, group, and device migrations to the cloud, ensuring proper access management and security controls.
- Scripted infrastructure provisioning and configuration management using Terraform and Ansible for cloud deployments of storage solutions.
- Gained experience with CI/CD pipelines for infrastructure builds using Terraform and Pulumi.

Education:

Global Institute of Engineering & Technology, Hyderabad

July 2018 to July 2022

Bachelor of Technology in Computer Science – First Class

Areas of Studies: Computer Networks, Cloud Computing, Cryptography & Network Security

Certifications:

- Cisco Certified Network Associate (CCNA)
- Cisco Certified Network Professional (CCNP)
- Azure Fundamentals Certified (AZ-900)
- Azure Administrator Associate (AZ-104)
- Azure Solutions Architect (AZ-305)
- AWS Solutions Architect Associate (SAA-C03)
- Windows Server Administration (Udemy)

Accomplishments:

Ethical Hacking Workshop | Azure Skynet at IITH (X2):

- Attended ethical hacking workshops at IITH that demonstrated various Attack vectors on the internet with labs on mitigations.

Hackathon | Code for India (CFI):

- Contributed to creating a decentralized chat app using GUNDB. Our prototype was selected for incubation at Edventure Park.

Languages:

- **English** (*Proficient*)
- **Urdu** (*Proficient*)
- **Arabic** (*Intermediate*).