Mohammed Adeel Arsalan

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SUMMARY

Accomplished Network Engineer with extensive experience in managing comprehensive networking projects from pre-sales engagement to final implementation and maintenance. Proven expertise in network design, implementation of robust security policies, and seamless integration of complex systems. Adept at collaborating with diverse stakeholders to deliver solutions that align with business objectives and enhance network performance. Demonstrated ability to lead intricate server migrations, implement advanced network policies, and configure high-performance network devices. Strong background in physical security design, WiFi coverage optimization, and documentation for future reference. Skilled in utilizing advanced technologies to ensure continuous connectivity and secure network environments.

EXPERIENCE

Network Engineer

Nurture IT   **April 2023 -October 2024, Bengaluru**

· Managed comprehensive networking projects from inception to completion, encompassing presales, design, implementation, integration, stabilization, documentation, and troubleshooting. Collaborated closely with various stakeholders, including technical teams, IT teams, vendor teams, and management, to ensure seamless execution and alignment with business objectives.

Network Associate

Gentop India Private Limited   **December 2019 - April 2023, Bengaluru**

· Network support and Windows support
· Strategically planned router, switch, and access point placement for robust connectivity.
· Utilized high-quality cabling (Cat6/Cat6a) for optimal data transmission.
· Organized network with patch panels and cable management for streamlined operations.
· Conducted testing to ensure performance and reliability standards.
· Designed for scalability to accommodate future growth.
· Managed regular updates and maintenance of network components for security.
· Configured routers/access points efficiently; managed assets and licenses for compliance.
· Implemented routine firmware updates and backups across all devices.
· Utilized Active Directory for user account management; monitored system performance.
· Established security measures, backup protocols, and IT policies for effective management.
· Provided technical support and optimized Windows system performance through regular maintenance.

PROJECTS

Firewall, Network Security and Server Migration

Eldaas Technologies · May 2023 - July 2024

· **FortiGate Firewall Implementation**: Replaced an SMB router with a FortiGate firewall, significantly enhancing network security and performance.
· **Network Security Policies**: Implemented robust policies, including web access, threat defence, anti malware and ransomware control tailored for different user levels.
· **VLAN Creation**: Developed distinct VLANs for various teams, ensuring efficient and secure network segmentation.
· **Access Point Configuration**: Optimized wireless network coverage and performance by configuring access points.
· **Password Policies**: Established policies to bolster overall network security.
· **VPN Configuration**: Created VPN client-to-site tunnels, providing secure remote access to users.
· **Complex Server Migration**: Successfully migrated live project data and critical client data to a new Windows 2022 Server, maintaining seamless user experience and exact functionality.
· Configured Active Directory.
· Transferred project-critical data spanning 20 years from a Windows 2002 Server, including a version control system (Tortoise SVN) and an Apache server, without compromising user experience.

Enterprise level Cisco Network Implementation for a Client.

Relanto.AI · November 2023 - February 2024

· **Spearheaded the enterprise-level Cisco network implementation, achieving seamless integration of advanced networking components that enhanced data throughput and ensured robust connectivity for over 500 end-users.**

- **Pre-
  sales Engagement**: Engaged with clients to understand requirements, vetted a Bill of Materials (BOM), and provided a simplified network design for a vast office space with two distinct server rooms.
- **Network Design**: Divided the office into two zones, each connected to a server room.
- **Physical Security**: Designed and implemented a surveillance system with 50 cameras and door access control for 12 doors.
- **WiFi Coverage**: Created a heat map using 15 Cisco 9130 AX controller-based access points.
- **Firewall Configuration**: Configured Cisco Firepower 1140 firewall with two ISPs, establishing load balancing and failover for continuous connectivity and availability.
- **Network Policies**: Implemented policies for web control, anti-malware, ransomware protection, and threat detection. Established user-specific policies using MAC binding and VLANs.
- **Switch Configuration**: Configured layer 3 Cisco Catalyst 9300 and layer 2 Cisco Catalyst 9200 switches to optimize performance.
- **Documentation**: Documented all access credentials and network layout for IT admins.
- **Additional Implementations**: Set up video conferencing and projection solutions.

Complete Sophos Network implementation for a Cloud Security company

Cloudsek · December 2023 - January 2024

- **Completed deployment of Sophos network systems for enhanced security, improving network uptime and integrating advanced threat protection across all endpoints.**
- **Pre-
  sales Engagement**: Understood client requirements and vetted the Bill of Materials (BOM). Simplified the network design for a vast office space connected to a server room.
- **Physical Security**: Designed a surveillance system with 35 cameras and door access control for 2 doors.
- **WiFi Coverage**: Created a heat map using 8 Sophos AP6-840 access points.
- **Firewall Configuration**: Configured Sophos 2100 firewall with two ISPs, establishing load balancing and failover for continuous connectivity.
- **Network Policies**: Implemented policies for web control, anti-malware, ransomware protection, and threat detection. Used MAC binding and VLANs for different user levels.
- **Switch Configuration**: Configured layer 2 network switches to optimize performance.
- **Documentation**: Documented all access credentials and network layout for IT admin reference.
- **Challenge resolution**: Identified and resolved a significant network slowdown post-implementation by detecting a complex botnet attack within the office. The attack, which involved flooding the network with SYN packets and choking the bandwidth, went undetected initially because it was artificially generated by an internal team for application testing. Successfully mitigated the issue and restored optimal network performance, ensuring the company's cloud infrastructure security services remained unaffected.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering

Adichunchanagiri Institute of Technology, Vishveshwarraiah technological university · Chikkamagaluru · 2016

SKILLS

Firewalls, Switches, Access points, Network security, End point security, LAN, WAN IP and subnetting NAT, port forwarding, VLAN, client to site VPN, site to site VPN, SD-WAN, Physical Security and surveillance, Cisco, Fortinet, Sophos, bash scripting, AWS, Project Management, Documentation, Collaboration.