



## SUMMARY

Dedicated IT professional with a strong background in network engineering, server management, and IT infrastructure. Experienced in configuring, installing, and maintaining servers, routers, switches, and firewalls to ensure optimal performance and security. Proficient in installing and managing CCTV systems, cable laying, and other hardware-related tasks as part of IT operations. Currently transitioning into an IT Support role to expand expertise in user support, troubleshooting, and maintaining IT systems. A lifelong learner with a passion for problem-solving and delivering reliable IT solutions in dynamic and challenging environments

## EDUCATION

### Sitara Institute of Management and Technology

Diploma of Associate Engineer (CIT)  
awarded by Punjab Board of Technical Education  
2017 - 2020

### Zafar Boys High School

Matriculation - Bio Sciences  
2013 - 2015

## CERTIFICATIONS

- **Certificate in Cybersecurity**
  - awarded by NVTTC
  - at Corvit Systems, Faisalabad
- **Huawei Certified ICT Associate - Cloud**
  - Huawei Technologies Co. Ltd.
- **Huawei Certified ICT Associate - Security**
  - Huawei Technologies Co. Ltd.
- **CCNA Module Certifications**
  - Cisco Networking Academy
- **CCNA Training Certificate**
  - Saylani Mass IT Training, Faisalabad
- **Chinese Language Certificate**
  - awarded by TEVTA
  - at Staff Training College, Faisalabad

## TECHNICAL SKILLS

- **Network Security & Edge Defense**

**Core Networking:** Expert knowledge of IPv4/IPv6 Configuration, Subnetting (VLSM), and VLAN tagging (802.1Q). Proficient in DHCP/DNS management and traffic shaping.

## PROFESSIONAL EXPERIENCE

### IT Officer

Nutrifactor Laboratories Pvt. Ltd. | Nov 2024 - Oct 2025

- **Network Infrastructure & Design**
  - Designed and implemented network infrastructure solutions to support expanding facilities, ensuring seamless connectivity across new premises.
  - Managed the end-to-end installation, configuration, and optimization of 20+ Layer 2 and Layer 3 managed switches.
  - Engineered network cable layouts and route planning, strictly adhering to SOPs and industry compliance standards for cable management and safety.
  - Configured and maintained a robust IP telephony system, improving internal communication reliability and reducing downtime.
- **Surveillance & Security Systems**
  - Overseen the deployment and maintenance of a large-scale surveillance network consisting of 150+ IP CCTV cameras, ensuring 24/7 monitoring capabilities and data integrity.
- **Systems Maintenance & Support**
  - Provided high-level technical support to end-users, resolving complex hardware, software, and connectivity issues within established SLAs.
  - Executed routine system troubleshooting and preventative maintenance schedules to minimize hardware failure and maximize system uptime.
  - Maintained meticulous technical documentation, including network diagrams, asset inventories, and configuration logs, to ensure continuity of operations.
- **Security & Strategy**
  - Implemented VLAN segmentation on Layer 3 switches to enhance network security and departmental data isolation.
  - Collaborated with vendors and stakeholders to procure and maintain hardware that met both technical specifications and budgetary constraints.



**OPNsense:** Deployment and hardening of open-source firewall solutions. Experience with Unbound DNS, IDS/IPS, and firewall rules optimization to secure perimeter traffic.

**FortiGate:** Configuration of FortiOS, High Availability (HA) clusters, SSL/IPsec VPNs, and Security Fabric integration. Proficient in features like IPS, Application Control, and Web Filtering.

- **Network Engineering & Connectivity**

**Mikrotik / RouterOS:** Advanced routing management using WinBox and CLI. Implementation of site-to-site and remote access tunnels using WireGuard for high-performance, secure connectivity.

- **Systems Administration & Directory Services**

**Windows Server:** Installation, configuration, and maintenance of Windows Server environments (2016-2022). Expertise in Microsoft ADDS (Active Directory Domain Services), including Group Policy Object (GPO) management, Forest/Domain functional levels, and FSMO roles.

**Linux Administration:** Hands-on experience with various distributions (Ubuntu, CentOS, Debian). Proficient in server hardening, package management, and system monitoring.

**Connectivity:** Administration of MDAemon Email Server, including account migration, security (DKIM/DMARC/SPF), and spam filtering protocols.

- **Cloud Infrastructure & Automation**

**Microsoft Azure & AWS:** Deploying and managing cloud resources including Virtual Machines (EC2/Azure VMs), Virtual Networks (VPC/VNet).

**Scripting & Automation:** Developing robust scripts in PowerShell and Bash to automate routine administrative tasks, user provisioning, and system reporting, reducing manual overhead and human error.

## Network Engineer

Kamal Fabrics - Faisalabad | Sep 2023 - Nov 2024

- **VPN Infrastructure Migration**
  - Successfully transitioned the VPN for POS systems nationwide from OpenVPN to WireGuard, resulting in reduced overhead and improved connection speeds
- **Virtualization Stack Optimization**
  - Reengineered the virtualization environment by replacing VMware-based Type-II hypervisors with KVM virtual machines managed through Proxmox, leading to increased efficiency, reduced resource consumption, reliable backup system and enhanced system stability.
- **Centralized Wi-Fi Network Deployment**
  - Designed and implemented a centralized Wi-Fi network across the premises, improving network management and providing efficient, high-quality internet services to all users, thereby enhancing connectivity and user satisfaction.
- **Technical Support and Configuration**
  - Delivered comprehensive user support and configuration services for a variety of networked systems including computers, printers, and DVRs/NVRs, ensuring seamless integration and optimal performance across the network.

## Lab Networking Assistant (Intern)

Corvit Systems - Faisalabad | 2021 - 2022

- Configured network across computers and labeled cables
- Troubleshooted technical issues related to the network
- Installed switching and routing hardware and assisted in configuring them
- Participated in implementing security policies for users such as bandwidth limitation, port security, MAC address based service, creating ACLs
- Monitored network usage using tools such as Wireshark, Snort and Wazuh for analysis and security purposes
- Setup FSSO for end users on Windows devices using FortiNet FSSO Agent.
- Participated in red teaming and blue teaming to simulate attacks and defense on a network and IT infrastructure.