



# Zeeshan Nasir Bajwa

Network Engineer | Cybersecurity Analyst | Cloud Admin  
Microsoft Certified Trainer

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## SUMMARY

Experienced network engineer with 4 years of expertise in LAN/WAN systems. Strong technical skills in CCNA, CCNP, Microsoft Azure, AWS, and VMware ESXi. Hands-on experience with ESXi, Azure, AWS, Cisco devices, ASA, ASAv, Meraki, FTD, FMC, and Fortigate. Proven leadership abilities in project management and team motivation. Effective in implementing, analyzing, optimizing, troubleshooting, and documenting network, cloud and computer information systems.

## EDUCATION

Degree	Institute	Board / University	CGPA/Percentage
BSCS (Cyber)	Preston University, Islamabad Campus	HEC	3.8 CGPA
FA (IT App)	Allama Iqbal Open University	AIOU	65%
Matriculation	Islamabad Model College for Boys	FBISE	67%

## EXPERIENCE

- Wateen Telecom** Jan 2023 - Present  
*\*\*Resident Network Engineer-Managed WAN\*\** I-10/3, Islamabad
  - Monitoring of on Core 2010 to manage and maintain the network nodes while assuring system availability and reliability.
  - Monitoring of major clients like Punjab Public Service Commission, National Bank, PakOman Bank, Punjab Land Record Authority and etc.
  - Manage and maintain Huawei and Cisco Routers and Switches
  - Implementation of Internet protocols on Huawei (Ar 150, AX6000, AR1000 and others) and Cisco routers (892FSW, 1218, 891F, 2811, 2911, and 4883 and 3550, 2960, and 3560) Switches and others
  - Configuring and Maintaining security authentication protocols (IPSec).
  - Configuring and Maintaining Routing Protocols (BGP, OSPF).
  - Work closely with the Transport and Network Operations Center to define, design, and implement end-to-end networking solutions.
  - Formulate and retain documentation related to network infrastructure as well as evaluate, select and adapt control techniques, procedures, and criteria to suit job tasks and devices and implement solutions to all problems.
- Hired International Pvt Ltd** May 2022 - Jan 2023  
*\*\*IT Officer\*\** Saidpur Road, Rwp
  - Microtik Core cloud router 1009 configured with 2 WANs, Load Balancing, Auto fail-over configuration, and maintenance of enterprise-level Microtik built-in intelligent firewall to manage day-to-day configuration, monitoring, and operation of Microtik devices to support corporate network security policies.
  - Design, develop, implement, and coordinate systems, policies, and procedures. Testing and troubleshooting networks and systems so, they can operate perfectly. Act in alignment with user needs and system functionality to contribute to organizational policy.
  - Manage information technology and computer systems Planned, organize, controlled, and evaluate IT operations. Managing daily operations including, Networks, Hardware, Software, and operating systems, Coordinating Technology installation up and maintenance.
  - VLANs, RSTP, and Other protocols on L2 and L3 Devices.
  - Running WLC TP-Link OC300 with multiple Access points having VLANs and MAC bindings over 3 SSID Channels (2.4GHz, 5GHz, and 6GHz).
  - Running a Cloud-based Email Server (cPanel) with the company's Domain, installation, and configuration of Outlook on the user's PC.
  - Providing physical and Remote support throughout the company.
- ArfaTech Communications** Feb 2022 - Apr 2022  
*\*\*Network/IT Support Engineer\*\** Chaklala, Scheme III, Rwp
  - Providing network system support and resolving day-to-day complaints of the end users related to Windows, Windows servers, printers, software, and other issues.
  - Level Two Support of internal customers for all IT-related issues.
  - Performing Remote management of issues like troubleshooting.
  - Followup customer, pro-active monitoring, timely and accurate feedback of issues to customer and management.
  - Proper escalation of issues to management according to guidelines and policies.
  - Resolving user issue on the complaint-based system.
  - Basic configurations of switches and Routers.
  - Installation and configuration of windows server 2016 and its roles according to company requirements.
  - Installation of devices like PC, Printer, Attendance Machines.

- **Shezan International Pvt Ltd**

*\*\*Network Support Engineer\*\**

Mar 2018 - Jan 2022

I-10/4, Islamabad

- Followup customer, pro-active monitoring, timely and accurate feedback of issues to customers and management.
- Proper escalation of issues to management according to guidelines and policies.
- Resolving user issues on a complaint-based system.
- Testing and troubleshooting network and systems so, they can operate perfectly.
- Ensure security of data, network access and backup systems,
- Act in alignment with user needs and system functionality to contribute to organizational policy.
- Identify problematic areas and implement strategic solutions in time.

- **School Management Technologies SMT**

*\*\*Network Support Intern\*\**

Jun 2023 - Present

Wahh Cantt

- Diagnose and troubleshoot technical issues on Windows, Linux, and Mac operating systems.
- Install, configure, maintain, and upgrade hardware and software systems.
- Monitor, analyze and troubleshoot LAN connectivity to the internet.
- Create and maintain user accounts and profiles.
- Provide technical support to users via phone, email, and in person.
- Train users in the use of computer systems, software, and hardware.
- Provide on-site and remote technical support.
- Monitor server and network performance.

## PROJECTS

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- **Punjab Public Service Commission**

May 2023

*Routing (Associated with Wateen Telecom)*

- The Wateen Wide Area Network (WAN) implementation project of the "Punjab Public Service Commission" involved the establishment of a robust and secure network infrastructure to connect multiple locations of Wateen, a leading telecommunication service provider in Pakistan. The project aimed to enhance communication and data exchange capabilities between the organization's offices located in Islamabad and Lahore.
- All 4 sites successfully established connectivity with each other, enabling seamless communication and data transfer. The network infrastructure provided high availability and redundancy, ensuring minimal downtime and efficient traffic management. Additionally, BGP (Border Gateway Protocol) was implemented to enable connectivity with external networks, facilitating secure data exchange with trusted partners.
- The implemented security measures included encryption using AES (Advanced Encryption Standard) and 3DES (Triple Data Encryption Standard) algorithms, as well as HMAC (Hashed Message Authentication Code) for data integrity. Access control was enforced through username and password authentication, protecting the network from unauthorized access.

- **LSS School Systems Network Security Project**

Feb 2023

*Network Security*

- This security project was executed which involved the deployment of Fortigate 601F and Cisco ASA firewalls. The project aimed to provide a secure and reliable network.
- The Fortigate 601F was deployed and was configured to provide advanced threat protection, intrusion prevention, SSL inspection, and secure remote access. The firewall was also configured to provide policy-based routing and dynamic routing to ensure efficient traffic management.
- The Cisco ASA was deployed as a backup firewall and was configured to provide similar security features as the primary firewall. Additionally, the firewall was configured to provide site-to-site VPN connectivity and remote access VPN connectivity.
- Both firewalls were configured to work in tandem to provide maximum security and high availability. The project also included the implementation of security policies.
- Overall, the project aimed to provide a robust and secure network infrastructure that meets the security requirements of the organization. The deployment of Fortigate 601F and Cisco ASA firewalls, along with the implementation of security policies, provided the organization with a secure and reliable network infrastructure.

- **Hired International Pvt Ltd Networking Project**

Sep 2022 - Oct 2022

*Branch Networking (Associated with Hired International)*

- A comprehensive networking project was executed which involved the deployment of Cisco 2960, 3550, and 3560 switches, along with the configuration of all network settings prior to deployment. The project also included the deployment of a CCTV system consisting of 32 IP cameras and a Hikvision NVR.
- To ensure efficient network management, a Mikrotik CCR1009 Core cloud router was deployed with auto-failover, a load balancer, and a built-in firewall. Additionally, an Omada wireless controller 300 was installed, along with multiple Tplink Archer 3600 access points to provide seamless wireless connectivity throughout the network.
- The project aimed to provide a reliable, secure, and high-performance network infrastructure for the organization.

## TECHNICAL SKILLS

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- **Networking:** Cisco, Huawei, Mikrotik - Routing/Switching (BGP, OSPF, MPLS, IPsec, VLANs, STP, SNMP)
- **Cloud Computing:** Microsoft Azure, AWS, Huawei Cloud
- **Operating Systems:** Windows, Linux, MacOS
- **Programming Languages:** C, Python

## CERTIFICATIONS

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- **Certified Network Associate** Cisco
- **Certified Network Professional** Cisco
- **Certified ICT Routing Switching Professional** Huawei
- **HCIA Security** Huawei
- **Certified Azure Solution Architect** Microsoft
- **Certified Azure Administrator Associate** Microsoft
- **Microsoft Certified Trainer**
- **Certified 365 Fundamental** Microsoft
- **Certified Security and compliance administrator** Microsoft
- **Certified NSE1, NSE2, NSE3** Fortinet
- **IT Support Certified** Google
- **Cybersecurity Analyst** IBM and ISC2
- **IT Security Fundamentals** Palo Alto
- **HCIA Cloud** Huawei
- **PCAP - Python Associate** EDG Python Institute
- **Critical Infrastructure Protection** OPSWAT

## VOCATIONAL TRAINING

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- **NAVTTTC**

*Prime Minister Kamyab Jawan Program*

*Apr 2021 - Dec 2021*

Islamabad, Pakistan

– Networking and Cloud Computing

"This course was offered by Corvit Systems Rawalpindi and was sponsored by Kamyab Jawan Program. This course includes the training of Cisco CCNA and CCNP level, VMware Private Cloud, Microsoft Azure and Amazon Web Services"

## LANGUAGES

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- English,
- Urdu,