


MD.ASHIQUL ISLAM

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SUMMARY

With 3 years of dedicated experience in telecommunications and transmission networks, I specialize in ensuring high availability, security, and performance of large-scale carrier and enterprise infrastructure. My expertise spans end-to-end troubleshooting, proactive maintenance, and optimization of critical network systems, with a strong focus on delivering seamless service continuity and meeting strict SLAs. Technical Portfolio: 

KEY ACHIEVEMENTS

- Resolved 3000+ complex network tickets, enhancing nationwide infrastructure reliability and customer satisfaction
- Optimized core network performance through strategic routing improvements, achieving 15% better service delivery
- Automated manual workflows using Python and n8n, reducing operational overhead by 30%
- Maintained 99.9% network uptime through proactive monitoring and rapid incident response
- Mentored 3 junior engineers in advanced troubleshooting and network operations

TECHNICAL SKILLS

Networking Protocols	BGP, OSPF, LACP, STP, DHCP
Network Technologies	MPLS (L2VPN, L3VPN), FTTx / GPON, DWDM
Performance & QoS	L2/L3 QoS, Policing, Shaping, Congestion Management, Buffer Optimization, Traffic Engineering
Hardware & NOS	Cisco IOS/XR-XE & Switches, Huawei VRP, Switches & OLT, Alcatel-Lucent OLT, LS Cable OLT
Monitoring & Diagnostics	Wireshark, Nagios, Cacti, PRTG, GNS3
Scripting & Automation	Python, n8n, Bash, Git
Systems & Virtualization	Linux, Windows, VMware Workstation
Professional Skills	Troubleshooting, Problem-Solving, Team Collaboration, Client Communication, Adaptability

WORK EXPERIENCE

IP Engineer, Fiber@Home Limited	Dec 2022 - present
<ul style="list-style-type: none">Delivered L2/L3 technical support for MPLS, GPON, and FTTx backbone and access networksDiagnosed and resolved complex issues in IP routing (BGP, OSPF), QoS, and service degradation across multi-vendor platforms (Cisco, Huawei)Executed proactive network monitoring, new link commissioning, and strategic bandwidth management to maintain SLAs.Implemented preventive maintenance and performance optimization strategies for enterprise client networks, enhancing service reliability	

Previous internship experience continues on page 2

- Migrated network data to Connect Master and automated Excel data processing
- Created KMZ and shapefiles for national fiber infrastructure mapping and documentation
- Supported fiber network planning and documentation efforts

PROJECTS & PROCESS AUTOMATION

- Developed Python scripts for interface utilization analysis and link-wise outage reporting
- Automated ticket classification and escalation with n8n, improving MTTR by 40%
- Developed network visualization automation pipeline for Connect Master

EDUCATION

2015 - 2022 B.Sc Engineering (CSE) at **Pabna University of Science & Technology**

2011 - 2013 Higher Secondary at **Dhaka City College**

PROFESSIONAL TRAINING

2022 CCNA: Routing & Switching at **Linux Pathshala Limited**

LANGUAGES & INTERESTS

Languages	Bengali (Native), English (Fluent)
Professional Interests	Network Automation, Cloud Networking, Security Hardening
Availability	60 days / Immediate availability negotiable

RECOMMENDATIONS

Mr. Md. Mizanur Rahman

Former HOF, IPTx & AGM, SDPI

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