

Md. Kawser Ahmed

System & Network Engineer

Nikunja-2, Khilkhet,

Dhaka, Bangladesh

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OBJECTIVES

To secure a position where I can leverage my technical expertise and organizational skills as a System and Network Engineer, solving challenging network and system issues with creativity and experience to support organizational growth and efficiency.

EDUCATION

Southeast University, Dhaka, Bangladesh

B.Sc in CSE (Computer Science and Engineering). March 02, 2023 (4 years).

Achieved: 2.95/4 GPA

EXPERIENCE 01:

System and Network Engineer

Ethics Advance Technology Limited (EATL) (02 May, 2024 to Present)

Corporate Office: Rupayan Shopping Square, Bashundhara R/A, Dhaka-1229

Responsibilities:

- Configure and maintain network devices, including Mikrotik routers and switches.
- Monitor and troubleshoot network connectivity issues and implement secure, scalable solutions.
- Provide technical support, manage firewalls, and optimize network performance.
- Collaborate with IT teams to ensure seamless network infrastructure and system operation.
- Oversee the Laboratory Information Systems (LIS) at International Medical College and Hospital, ensuring smooth integration, security, and functionality to support healthcare operations.
- Conduct regular system audits and data management practices to maintain LIS integrity and efficiency.
- Coordinate with the IT department to support hardware and software installations, manage user access, and enforce data security protocols.
- Perform backup and recovery operations for critical data and systems, ensuring minimal downtime and quick restoration in the event of data loss.
- Develop and implement IT policies and guidelines to improve department workflows and secure sensitive information across the hospital network.

EXPERIENCE 02:

Jr. Software Engineer

Shunno IT (01 April, 2023 – 30 March, 2024)

Location: 272/5, West Agargaon, Sher-e-Bangla Nagar, Dhaka 1207

Project name: Root Balling Software

Tools and Frameworks: React, Redux, MUI, RTK Query, React Table, Nest.js, Node.js, MongoDB

Responsibilities:

- Developed and scaled a SaaS ISP billing software with automated customer management and real-time Mikrotik integrations.
- Architected software solutions, led strategy sessions, mentored engineers, and improved project efficiency with best practices.

INTERNSHIPS

- **Shunno IT** (4 months)

Learned : HTML, CSS, Bootstrap, React, Redux, Node.js, and MongoDB

- **Al-Arafah Islami Bank Limited** (3 months)

Areas: General Banking, Investment Banking, and Others

TECHNICAL PROFICIENCIES

- **Operating Systems:** Linux (Ubuntu) and Windows systems.
- **Networking:** Mikrotik RouterOS, Cisco IOS, VLANs, OSPF, BGP
Network protocols (TCP/IP, DNS, DHCP, etc.), firewalls, VPNs, and routing.
- **Virtualization:** Virtualization platforms VMware, Hyper-V
- **Cloud Technologies:** Familiarity with cloud platforms AWS, Azure, or Google Cloud
- **Scripting and Automation:** Scripting languages Bash, or PowerShell to automate tasks.
- **Cybersecurity:** Security practices, firewalls, and encryption.
- **Databases:** Basic database management systems MySQL, PostgreSQL, or Oracle.

NETWORKING PROJECTS (Cisco Packet Tracer)

- Small Office Home Office Network
- Hotel System Network Design
- Campus/University System Network Design
- Bank System Network Design
- Company/Business System Network Design
- Hospital System Network Design
- VoIP- IP Telephony System Network Design
- Financial Institution System Networking Project
- Secure Telecommunication Company Network System
- Secure Healthcare Network System
- Secure Campus Area Network System
- Secure Company Network System

WEB PROJECTS & KEY SKILLS

Projects:

Root Balling Software: Developed a SaaS platform for ISP billing using React, Redux, MUI, RTK Query, React Table, Nest.js, Node.js, and MongoDB.

Malaria Detection Thesis: Implemented a CNN model in MATLAB for computer-aided malaria detection.

Hotel Management System: Created a hotel management system as a class project using PHP and SQL.

Skills:

Programming: C, JavaScript

Graphic Design: Adobe Illustrator, Photoshop

Development Tools: GitHub, VS Code, Sublime Text

Independent Learning & Skills Development

- Mikrotik Certified Network Associate (MTCNA)
- Cisco Certified Network Associate (CCNA)
- CompTIA A+

WEB DEVELOPMENT TRAINING

- Web Development - Shikhbe Shobai (HTML, CSS, Bootstrap, Front-End related)
- Web Development - Programming Hero (MERN Stack)
- Graphic Design - Shikhbe Shobai (Adobe Illustrator, Adobe Photoshop and Adobe XD)

LANGUAGE

- Bangla
- English

REFERENCE 01:

Md Zahangir Alom Ph.D.

Sr. Bioinformatics Research Scientist

St. Jude Children's Research Hospital, Memphis, TN, USA

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REFERENCE 02:

Rajon Bardhan

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