DEWAN RASHIDUL ALAM

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NETWORK ADMINISTRATOR &
Deputy Chief Information Security Officer (Dy. CISO), NERIST

SUMMARY

☑ CCNA, CCNSP, & RHCSA with over **15 years** of experience across IT industries, e-Governance sector, and Technical Universities. Scope of exposure entails:
- Campus Network Design, Development and Management for Prominent Educational Institutes
- Network Operation   - e-Government Project Management   - NOC Engineering
- Technical Documentation   - Escalation Management   -Installation and Configuration
- Data Centre Operations

☑ Currently associated with North Eastern Regional Institute of Science and Technology (Deemed-to-be-University), CFTI under MHRD, Govt. of India as a **Network Administrator** and **Deputy Chief Information Security Officer (Dy. CISO)** .

☑ Exposure in Network setup and Management of prominent Educational Institutes of India (like: NIT Meghalaya, NERIST, Arunachal Pradesh).

☑ Exposure in Implementation of e-District Project to deliver government services electronically using Information and Communication Technology.

☑ Exposure in handling Datacenter Network Operations for maintaining uptime and availability of services.

☑ Keen abilities in planning, designing, installing, and configuring IT networks, handling network user management on multiple platforms, governed by communication protocols.

☑ Versed in analyzing information system needs, evaluating end-user requirements, custom designing solutions, troubleshooting for complex information systems and management.

☑ Adept at formulating and executing strategies to safeguard organizational IT assets from cyber threats.

KNOWLEDGE PURVIEW
TECHNICAL
Switches, Routers, Firewalls:

☑ Designing:
- o Tier Three internetwork design using different network and security devices.
- o IP addressing scheme to meet Network design requirements.

☑ Handling:
- o Router configuration (Series 1800, 1700, 2500, 2600, 2800 & 3900).
- o Switch configuration (Series 2900, 1900, CE 500, 3750, 4500 & 6500).
- o Firewall Configuration (Cisco ASA 5505/5510, Cyberoam 2500iNG, SonicWall Tz100/Tz200)

☑ Configuring:
- o Switch VLANs and inter-switch communication.
- o Switching protocols such as STP, VTP, RSTP, HSRP, BPDU, and Etherchanel PAgP/LACP.
- o Routing protocols such as RIP, IGRP, EIGRP, OSPF and BGP.
- o Firewall (LAN-WAN, DMZ, SSL VPN, IPSec Remote-Access VPN, Site-to-Site VPN).
- o SNMP, DHCP, DNS & TFTP.

☑ Implementing access list on Network Devices.
☑ Providing backup, restore and updating IOS.
☑ Resolving internetwork problems.

Operating System and Database: Linux, Windows 8/10/2012 Server

☑ Installing and resolving issues related to Linux, Windows 8/10/2012 Server Operating System.
☑ Configuring network & administering network printers.
☑ Creating user, managing user quota, configuration of Network File System, DNS, SAMBA Server, Sendmail Server, Web Server, and Squid and creating iptables.
☑ Centralized user management using Active Directory, Radius Server.
☑ Support / training to clients for resolving critical technical issues.

CAREER PROGRESSION

Dec'09 to March'13	ESDS Software Solutions Pvt. Ltd., Nashik	Network Engineer

Role and Responsibilities:

- ☑ Maintaining Datacenter Network and Services uptime.
- ☑ Configuring & resolving:
  - o Various types of issues related to Network Devices like Catalyst 2960, 3750, 4500 & Cisco 6509 Switches, PoE Switch, Cisco 1841, 2811 & 3945 Routers.
  - o Hardware & Software Firewalls such as Cisco ASA, Sonicwall, Cyberoam, and Untangle, Windows ISA.
  - o Cisco Traffic Anomaly Detector Module and Cisco Anomaly Guard module, Centralize Syslog Server, Authentication Server (Tacacs).
  - o Blade Chassis like IBM Blade Center E Chassis, HP c7000 Blade chassis.
  - o Hardware RAID (RAID0, RAID 1, RAID 5, RAID6, and RAID 1+0).
  - o KVMoIP (Adderlink, Raritan).
  - o VMWare clustering technology, Microsoft HyperV for cloud computing and virtualization.
- ☑ Manage and execute Network Change Requirement Process, Network Security Audit Process.
- ☑ Managing & maintaining ESDS Monitoring Systems, which reports the status & performance of ESDS's Network, ISP services & facilities.
- ☑ Monitoring event generated logs on network and taking immediate actions, if reported.
- ☑ Provisioned IP assignment, DHCP setup, installed & monitored co-locations, leased lines, customer backup and other customer network services.
- ☑ Set up & configured different Network Storage Devices (Dell MD3000, Galactic & Dell EqualLogic).
- ☑ Designed and implemented data centre infrastructure like network rack deployment, server room design, server room cooling design, access raised flooring, fire suppression system, capacity planning, power management, etc.
- ☑ Maintained confidentiality with regard to the information being processed stored or accessed by the network.
- ☑ Updated technical documents (for NOC) of processes and procedures used throughout normal operations.

Key Projects Handled:

- ☑ Worked in projects of Datacenter Turnkey solutions for MAHAGENCO, Mumbai and SEBI, Mumbai as Network Planning & Designing Engineer involving:
  - o Requirement Analysis.
  - o Design Network Solution as per requirement using **Visio**.
  - o Structure cabling as per **TIA** Standardizations.
  - o Deployment and Configuration of Different Network devices.
  - o Project Handover Documentation.

April'13 to March'14	Assam Electronics Development Corporation Ltd.	e-District Project Manager

Role and Responsibilities during e-District Project Implementation:

- ☑ Coordinate with State Level Management Unit (SPMU) for project reporting.
- ☑ Coordinate with System Integrator's (SI) personnel deployed in the district.
- ☑ Facilitate acceptance of supply, installation and commissioning of hardware & peripherals deployed at all the designated offices in district level.
- ☑ Submission of weekly report to District Administrative Authority on progress of e-District project.
- ☑ Facilitate data digitization, networking, site preparation and training / workshop activities in the district.
- ☑ Regular review of all the services delivered under e-District project and help in resolution of operational issues, if any.
- ☑ Preparation of risk registers for highlighting the risks to project.
- ☑ Monitor the service levels of the services being provided.
- ☑ Escalate to the Higher Authority for implementation of the e-District Project by the State at district level for cases for which services have been delayed.
- ☑ Carry-out root-cause analysis for any service level failure.

April'01 to July 04	NIT, Meghalaya	Computer Engineer

Role and Responsibilities:

- ☑ Design, Development, and Management of Campus Network of NIT Meghalaya.
- ☑ Management and Maintenance of 1Gbps NKN (National Knowledge Network) Internet Connectivity for the Institute Campus.
- ☑ Management and Maintenance of WLAN, Ethernet, and OFC media of Campus Network.

- ☑ Development and Management of WiFi Infrastructures of Institute Campus.
- ☑ Development and management of DMZ Zone, Private, and WAN Zone Base Network.
- ☑ Management of DNS, DHCP Server.

July'14 to Present Date	NERIST, Deemed to be University, Itanagar	Network Administrator

Role and Responsibilities:
- ☑ Design, Development, and Management of NERIST Campus Network.
- ☑ Managing and Providing Campus Internet Connectivity through multiple ISPs (i.e. NKN as Primary ISP Link and PGCIL as failover ISP Link)
- ☑ Core, Distribution, and Access Layer Network Architecture Development and Management for NERIST Campus Network.
- ☑ Management and Maintenance of all Network Devices (i.e. Firewall, Switches, Router, WiFi Controller, Access Points, etc.) deployed in Campus Network.
- ☑ Creating scheduled Back up of Configuration and IOS of Network Devices for efficient recovery of digester if any happens.
- ☑ Management and Maintenance of WLAN, Ethernet, and OFC media of Campus Network.
- ☑ Development and Management of WiFi Infrastructures of Campus.
- ☑ Development and management of DMZ Zone, Private, and WAN Zone Base Network, implementing different firewall policies.
- ☑ Managing & maintaining Network Monitoring Systems, which reports the status & performance of Campus Network, ISP services & facilities.
- ☑ User base Network/Resources access management through Active Directory, Radius Server, and Firewall.
- ☑ Implementation of User and Network Policies/Access Lists for ensuring safeguard of organizational IT Assets.
- ☑ Development and Management of Hyper-V cloud Infrastructure.
- ☑ Development and Management of Backup Server for automated scheduled/incremental backup of mission critical files, VMs, Servers, Applications Data, etc.
- ☑ Open source email system (Zimbra) development and maintenance for providing email services to the campus users.
- ☑ Deployment and Management of PolicyD Policy Server, SPF, DKIM, DMARC for securing the email communication.
- ☑ Providing different network base services like: DNS, DHCP, FTP, ACTIVE DIRECTORY, etc.
- ☑ Hosting and Management of Webserver and Mail Server.

ACADEMIC CREDENTIALS
- ☑ **M. Tech. (Software System)** from BITS Pilani in 2023. Secured 74%.
- ☑ **B.Tech. (Computer Science and Engineering)** from DR. BAMU, Aurangabad in 2009. Secured 72%.
- ☑ **3 Years Polytechnique Diploma in Computer Engineering** from Assam Engineering Institute, Guwahati, Assam in 2005. Secured 71.09%

CERTIFICATIONS
- ☑ Ethical Hacking NPTEL Online Certification in 2019.
- ☑ Cyberoam Certified Network & Security Professional(CCNSP) in 2011
- ☑ Cisco Certified Network Associate (CCNA) in 2010.
- ☑ Red Hat Certified Technician (RHCSA) in 2008.

PERSONAL DETAILS
Date of Birth: 18th May 1983
Language Known: English, Hindi, Bengali and Assamese
Permanent Address: Salbari, Bapujinagar, Goalpara-783121, Assam