

Hussen Vali Thanda

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Address : D.no: 3-8, Remidicherla Village, Bollapalli Md, Guntur (Dist), Andhra Pradesh - 522663

Network Security and Data Center Expert | Leadership in Government Projects

With over **7+ years of experience** in network security, design, implementation, and the management of large-scale government projects, I am dedicated to delivering **robust, secure, and high-performance infrastructures**. My objective is to contribute to organizational growth by optimizing security practices, mitigating risks, and leading secure network deployments.

My **future goals** include advancing in **cybersecurity technologies** such as **zero trust architecture, threat intelligence, incident response, and SIEM/SOAR systems**, while continuing to lead and drive security-focused initiatives that protect critical assets and infrastructure.

Key Competencies:

- **Network Design & Protocols:** TCP/IP, OSPF, BGP, VLAN, NAT, ACL, SNMP, DHCP, DNS, VPN (IPSec, SSL), IGMP, STP
- **Security & Risk Management:** Firewall, 802.1X, RADIUS, TACAS, TLS/SSL, SSH, Threat Detection, Risk Mitigation, Security Audits, Compliance with SLAs & Protection Policies
- **VMS & Surveillance:** Milestone, Hikvision, Qognify, i2V; RTSP, ONVIF, RTP; Virtual Video Recorder (VR) setup on Hyper-V/VMware, NVR/DVR, IP Camera Integration, Video Analytics.
- **Virtualization & Servers:** Hyper-V, VMware, Live Migration, Clustering; Dell, HPE, Lenovo Servers
- **Storage & Backup:** SAN (iSCSI, FC), NAS (NFS, SMB), RAID, Snapshots, Deduplication, VTL, Backup & DR Planning
- **Cloud & Hosting:** Azure, AWS, Hybrid Cloud, VPN Tunnels, Public/Private Hosting, Azure Stack, IAM, MFA
- **Monitoring & Management:** vCenter, SCVMM, iDRAC, iLO, Wireshark, Syslog, NetFlow
- **Leadership & Governance:** Trained team members on systems/security best practices, led SLA-based operations, enforced protection and compliance policies, delivered Smart City & Surveillance projects
- Created end-to-end network and infrastructure architecture based on client requirements for surveillance, datacenter, and cloud environments
- Responded to RFPs/RFIs with customized technical solutions, BoM, and design documents
- Delivered solution presentations and demos to stakeholders, including Smart City officials and enterprise customers
- Worked with OEMs and SI partners to align on scalable, cost-effective, and secure architecture designs
- Designed PoC (Proof of Concept) labs for client evaluations across VMS, network security, and hybrid cloud
- Mapped technical solutions to business outcomes, ensuring alignment with compliance and operational goals
- Evaluated customer environments and proposed enhancements for scalability, redundancy, and risk reduction

Professional Experience:

Lookman Electroplast Ltd

Apr 2024 - Present

Network Engineer & Data Center Expert at Ahmadabad Smart&Safe City

- Designed and managed secure, large-scale network infrastructure using Cisco, D-Link, Fortinet, Aruba (HPE), HP, Meraki, and Juniper, including firewalls, VPNs, IDS/IPS, and DDoS protection across smart city backbone.
- Deployed and maintained 190+ Dell chassis servers, 10TB Isilon NAS storage, 2TB SAN, and 90+ Virtual Recorders (VRs) integrated with Qognify VMS for citywide surveillance and analytics.
- Configured dynamic routing protocols (OSPF/BGP), VLAN segmentation, and Layer 2/3 switching for optimized performance and redundancy.
- Administered 10,000+ field surveillance devices including ANR cameras, 120+ VMDs, and hosted E-Challan and live analytics platforms.
- Ensured high availability and uptime through SIEM-based security monitoring and Motadata NMS for real-time network and device health tracking.
- Led end-to-end planning and execution of network audits (STQC, MoHUA) and security compliance for critical infrastructure projects.
- Supported civic event operations (Flower Show, Tajiya Procession, Kankaria Carnival, Karniwall) through temporary and permanent video infrastructure setups.
- Trained L1/L2 VMS, network, and NMS teams on SLA-bound escalation workflows, threat detection, and infrastructure protection protocols.
- Coordinated services for diverse stakeholders including SCDL, eGov Foundation, Civic Centers, UHC, WDS, and Government Schools.

Trigyn Technologies Ltd

Oct 2021 - Mar 2024

Engineer Operations Mumbai Monorail Project

Rajasthan State Smart Cities and Jails and Hospitals Projects

- Designed, implemented, and optimized network infrastructures for CCTV and surveillance systems, ensuring robust integration with data center environments and seamless communication across core network components.
- Conducted OTDR (Optical Time Domain Reflectometer) testing to validate and maintain the integrity of optical fiber installations, enhancing network reliability and performance in data center and enterprise environments.

- Integrated VMS (Video Management Systems) with network architecture and data center resources, enabling efficient and secure video monitoring, storage, and access control for critical infrastructure.
- Leveraged advanced network protocols such as VLANs and QoS to ensure optimal data flow and performance for CCTV and surveillance system traffic within data center environments.
- Implemented high-availability network topologies (e.g., redundant network paths, failover mechanisms) to ensure uninterrupted video surveillance services and network access in data centers.
- Ensured compliance with industry standards, data protection regulations (GDPR, HIPAA), and security best practices for video surveillance systems and their integration within network and data center infrastructures.
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- Collaborated with data center architects and network engineers to design secure and scalable solutions for le- scale surveillance deployments, focusing on minimizing latency and maximizing uptime.
- Monitored, analyzed, and optimized network performance and security across surveillance systems, applying proactive measures to detect and mitigate potential vulnerabilities within the network and data center infrastructure.

Education

Bachelor of Science in Information Technology (BSc IT)

Lovely Professional University, Jalandhar, Punjab

Graduated: July 2025

GPA: 57%

Diploma in Electronics and Communication Engineering (E.C.E)

Bapatla Polytechnic College, Bapatla, Andhra Pradesh

Graduated: January 2017

GPA: 68%

Extracurricular Activities

IT Fest: Hosted network-based technical sessions, ensuring seamless connectivity for participants, and integrated CCC (Centralized Communication Control) systems for efficient communication and coordination throughout the event.

Hackathon: Managed network infrastructure and CCC integration, overseeing stable communication channels and real-time collaboration for participants across multiple locations.

Rathyatra: Coordinated the integration of network services with CCC systems for live streaming, participant communication, and smooth event management.

Kankariya Karnival: Oversaw the integration of network services and CCC for efficient event coordination, real-time updates, and attendee communication.

Flower Show: Hosted the event with integrated network solutions and CCC, ensuring smooth online registration, live communication with participants, and flawless event execution.

Permanent Address :

S/o Khasim Sa,D.no: 3-8, Remidicherla Village, Bollapalli Md, Guntur (Dist), Andhra Pradesh - 522663

Personal Details:

Date of Birth : 10-Aug-1998

Languages Known : English, Hindi, Telugu, Urdu

Declaration:

I do hereby declare that the information furnished above is true and correct to the best of my knowledge.

Place: Ahmedabad Date: 06-08-2025

Thanks
HUSSEN VALI

