SUSHEN JAYASURIYA

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EDUCATION

SLIIT

Bachelor of Computer Science and Network Engineering

2022 - 2027

WinSys City Campus

CCNA (Cisco Certified)

2025

IIT University

Cert. in Java Programming
2025

NetExperts PVT

Cert. in DevOps
2024

TECHNICAL SKILLS

Enterprise Systems IBM Power5/6, AIX, RHEL, Windows Server AD

Networking Cisco (CCNA), MikroTik, pfSense, VLANs/VPNs

Virtualization Proxmox VE, VMware ESXi, Docker, LXC

Development Java (Android), Firebase, Git, C#

LANGUAGES

- English

- Sinhala

ABOUT ME

Systems Engineering Undergraduate specializing in Enterprise Infrastructure and IBM Power Systems. Skilled in server virtualization, Linux/AIX system administration, and high-availability architecture. Passionate about designing resilient systems and delivering reliable IT operations.

EXPERIENCE

Enterprise Infrastructure Implementation
2024 – Present

- Designed and managed a full enterprise-grade home lab environment.
- Deployed IBM Power Systems with POWER 5/6 virtualization.
- Installed, configured, and administered IBM AIX (LPARs, VIOS, NIM).
- Implemented Proxmox VE clusters, ZFS storage, backup, and high-availability.
- Built multi-site network topologies with VLANs, firewalls, and routing.

Systems & Network Engineer (Personal Projects)
2023 - Present

- Deployed Linux servers (Ubuntu, RHEL, CentOS) for web, DNS, and application hosting.
- Configured enterprise networking: DHCP, DNS, VLANs, VPNs, and firewall rules.
- Set up monitoring platforms (Grafana, Prometheus, Zabbix).
- Troubleshot performance issues, optimized systems, and maintained uptime.

Software Development (University / Personal Projects)
2024 - Present

- Provided technical support for Windows, Linux, and macOS systems.
- Installed, configured, and maintained software, drivers, and system updates.
- Developed Android applications using Java and Firebase for real-time data and user authentication.
- Built applications and utilities in C#, C++, and C for academic and personal projects.
- Assisted peers and small teams with programming tasks and software deployment.

Cloud & Virtualization Projects (Personal)
2023 - Present

- Built virtualized environments using VMware ESXi and Proxmox.
- Created cloud-like infrastructure with VM templates, snapshots, and backups.
- Configured containers (LXC, Docker) for development/testing use cases.
- Integrated cloud services (AWS/GCP basics) for hybrid-lab experiments