

Nadeeja Nirmala

IT Manager · Network and systems engineer · CCNP, CCNA

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PROFILE

IT Manager at FIBC Lanka, an export manufacturer whose factory runs around the clock. I plan, build and test its IT myself: a network split into three isolated zones, a 3-2-1 backup design built to a four-hour recovery target, and Windows and Linux servers on site and in the cloud. CCNP and CCNA certified, with a BSc (Hons) in Computer Networks and Security. In my own time I build Android apps that work at the telephony and VPN level.

EXPERIENCE

IT Manager · FIBC Lanka (Pvt) Ltd, Polonnaruwa

Dec 2024 - present

Responsible for all of the factory's IT, and the hands-on work behind it.

- **Network.** Split the flat factory network into production, office and CCTV zones, with a firewall and intrusion detection between them, DNS over HTTPS and TLS, and QoS that puts ERP traffic first. ERP slowdowns at busy times had been holding up production scheduling.
- **Backups and recovery.** A 3-2-1 design covering the Tally Prime ERP and the servers: local RAID on a Synology NAS, a cloud copy and encrypted off-site media. Recovery time under 4 hours, recovery point 24 hours, and restores tested on a schedule.
- **Servers.** Windows and Linux, on site and in the cloud: builds, hardening, service isolation, remote administration, role-based access and monitoring.
- **Business systems.** Tally Prime ERP and SignHR: user accounts, access levels, data migrations and updates, planned around the production shifts.
- **CCTV.** Designed and installed the IP camera system, on its own isolated network.
- **Hardware.** Purchasing and supplier quotes, warranties, preventive maintenance and secure disposal for the computers and equipment on site.
- **Design.** Print artwork for the product lines and the company's social media graphics, in Photoshop and CorelDRAW.

Computer Aided Design Engineer · Brandix Athleisure, Polonnaruwa

Jul 2021 - Oct 2023

- Drew and graded garment patterns for mass production in Lectra Modaris and AutoCAD, to international buyers' specifications, across several seasons of product lines.

Network Administrator · Dialog Axiata PLC, Sri Lanka

2017 - 2018

- Network administration and live performance monitoring at Sri Lanka's largest mobile operator. Diagnosed and fixed server-side incidents within SLA.

PROJECTS, IN MY OWN TIME

- **Pixel IMS 5G** (Kotlin). Reaches the IMS and radio settings on Tensor Pixel phones through root or Shizuku, and shows VoLTE and VoWiFi state as it changes. Open source (GPL-3.0), version 1.0.5. [barrylk.github.io/pixel-ims-5g-showcase](https://github.com/barrylk/pixel-ims-5g-showcase)
- **Lumen** (Java). Full-device IKEv2/IPsec VPN tunnels on Android's own VPN stack. Open source (MIT). Like Pixel IMS 5G, it ships as signed releases and works from Android 11 to 17. [barrylk.github.io/lumen-showcase](https://github.com/barrylk/lumen-showcase)
- **NIRALYTH** (Kotlin, Compose). Lossless music player with analogue VU meters and a precision equaliser. Nothing leaves the phone. Public beta, version 0.11.0. [barrylk.github.io/niralyth-showcase](https://github.com/barrylk/niralyth-showcase)
- **Recall** (Kotlin, Compose, on-device ML). A private search engine for what you have seen on your phone, indexed and searched on the device. Built and tested; device testing next. nirmala.is-a.dev/recall.html
- **nirmala.is-a.dev** (HTML, CSS, three.js). This portfolio: no framework, 237 automated checks on every change, and Lighthouse mobile scores of 100 for accessibility, best practices and SEO.

SKILLS

Networking	VLAN segmentation, firewall policy, intrusion detection, DoH and DoT, QoS, network monitoring
Systems	Windows Server, Linux, hybrid cloud, hardening, service isolation, role-based access, monitoring

Continuity	3-2-1 backup, RAID and NAS, RTO and RPO planning, restore testing
Business systems	Tally Prime, SignHR, user provisioning, asset lifecycle
Security	Network segmentation, DNS security, system hardening, IP CCTV
Development	Kotlin, Java, Jetpack Compose, Android telephony and VPN APIs, HTML, CSS, JavaScript
Design and CAD	Adobe Photoshop, CorelDRAW, AutoCAD, Lectra Modaris

EDUCATION
BSc (Hons) Computer Networks and Security American College of Higher Education · 2017 – 2026, part time while working
Diploma in Computer Software Engineering ICT Institute Polonnaruwa · 2016

CERTIFICATIONS AND MEMBERSHIPS
• CCNP, Cisco • CCNA, Cisco • Cisco Networking Academy • IEEE member