

JANINDU CHAMIKA

Undergraduate | Computer Systems & Network Engineering
Colombo, Sri Lanka | +94 719 134 083 | janinduchamika2002@gmail.com
[linkedin.com/in/janindu-chamika](https://www.linkedin.com/in/janindu-chamika) | github.com/KAJaninduChamika2002

PROFESSIONAL SUMMARY

Information Technology undergraduate specializing in Computer Systems & Network Engineering at SLIIT, with hands-on experience in Linux server administration, network services configuration, and secure infrastructure deployment. Practical background in provisioning and hardening production Linux VPS environments, configuring reverse proxies, TLS, firewalls and DNS for live client systems. Strong foundation in TCP/IP, routing and switching concepts, network security and containerised infrastructure, backed by a software engineering background that supports network automation and troubleshooting. Seeking a Network Engineering / Systems & Infrastructure internship to apply and deepen these skills in a production environment.

EDUCATION

BSc (Hons) in Information Technology – Computer Systems & Network Engineering

Sri Lanka Institute of Information Technology (SLIIT) | 2024 – Present

Relevant coursework: Computer Networks, Data Communication & Networking, Operating Systems, Computer Architecture, Network Security, Database Management Systems, Object-Oriented Programming, Web Application Development.

TECHNICAL SKILLS

Networking: TCP/IP, OSI model, IPv4/IPv6 addressing & subnetting, VLANs, routing & switching fundamentals, static routing, DHCP, DNS, HTTP/HTTPS, SSH

Network Security: Firewall configuration (UFW / iptables), SSL/TLS certificates (Let's Encrypt, Certbot), SSH key-based authentication, HTTP security headers

Systems & Servers: Linux (Ubuntu/Debian) server administration, Windows Server basics, VPS provisioning & remote administration

Infrastructure & Tools: Docker & Docker Compose, Nginx (reverse proxy, load balancing, virtual hosts), Git / GitHub, Cisco Packet Tracer, Wireshark, VirtualBox / VMware, Postman

Scripting & Automation: Linux CLI, Python (basics), JavaScript / Node.js, Java, SQL (MySQL)

Monitoring & Troubleshooting: ping, traceroute, ipconfig/ifconfig, packet capture & analysis

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Cisco Certified Network Associate (CCNA) – [in progress / target completion: December 2026]
- Cisco Networking Academy – [Networking Basics] – [2026]
- AWS Knowledge: Amazon Q Developer Fundamentals - Training Badge [2026]

INFRASTRUCTURE & NETWORK EXPERIENCE

HAZA Fashion – Full-Stack Development, Production Deployment & Server Administration | *Linux VPS · Docker · Nginx · TLS · DNS*

Real Client Project | Live: haza.lk | Sole Developer

- Provisioned and administered a Linux VPS end-to-end for a live production e-commerce platform, including initial server hardening, user and SSH key configuration, and firewall rule setup.
- Sole developer of a production e-commerce platform for a paying client — database, API, frontend and infrastructure.
- Built a Node.js/Express backend with 30+ REST endpoints over MySQL, plus a React storefront and admin dashboard.
- Secured with JWT sessions, Google OAuth 2.0, bcrypt hashing and role-based access; integrated Stripe payments.
- Deployed and maintain the live system on a hardened Linux VPS: Docker Compose, Nginx reverse proxy, Let's Encrypt TLS, DNS records and log monitoring.

<https://haza.lk/>

Secure API Infrastructure – Online Ticket Booking Platform | *Node.js · Express · Helmet · Rate Limiting · 2FA*

- Designed and secured a multi-service backend with layered application-level security controls: HTTP security headers via Helmet, IP-based rate limiting to mitigate brute-force and DoS attempts, and bcrypt password hashing.
- Implemented JWT-based authentication with two-factor authentication (2FA) and multi-role access control across administrator and user tiers.
- Configured automated SMTP email notifications and QR-code based ticket verification workflows.
- Validated endpoint behaviour and failure handling through automated testing with Jest and Supertest.

https://github.com/KAJaninduChamika2002/online_ticket

Networking Lab Work – Academic & Self-Study | *Cisco Packet Tracer · Wireshark · VirtualBox*

- Designed and simulated small-to-medium enterprise topologies in Cisco Packet Tracer, including VLAN segmentation, inter-VLAN routing, static routing and DHCP scope configuration.
- Performed IPv4 subnetting and VLSM address planning exercises for multi-department network designs.
- Captured and analysed live traffic with Wireshark to inspect TCP three-way handshakes, DNS queries, ARP resolution and HTTP/TLS session behaviour.
- Built virtualised multi-machine lab environments in VirtualBox to practise Linux server roles, SSH access, firewall rules and service configuration.

SOFTWARE DEVELOPMENT PROJECTS

Online Book Shop – Full-Stack E-Commerce Platform | *React.js · Node.js · Express · MySQL*

- Built a complete e-commerce system with JWT authentication, product filtering, cart, coupon engine, Stripe payments and an admin dashboard backed by 25+ REST API endpoints.

<https://github.com/KAJaninduChamika2002/Online-book-shop>

Laundry Management System | *Java · Spring Boot · Spring Security · MySQL*

- Developed a RESTful backend using Spring Boot with Spring Security and JPA over MySQL, with role-based admin and customer dashboards and a responsive Tailwind CSS frontend.

<https://github.com/KAJaninduChamika2002/Laundry-Management-System>

Online Restaurant Web Application | *Next.js · React · Tailwind CSS · Framer Motion*

- Built a fully responsive web application with a reusable animation component library, interactive menu filtering and validated contact forms.

<https://github.com/KAJaninduChamika2002/Online-Restaurant>

ADDITIONAL STRENGTHS

- Strong analytical troubleshooting approach — comfortable isolating faults across the application, transport and network layers.
- Experience delivering and maintaining a live production system for a paying client, including uptime and incident response.
- Fluent in English and Sinhala; effective written and verbal communication in technical and client-facing contexts.
- Self-directed learner, actively building networking lab experience alongside academic study.

REFERENCES

Hasindu Wanninayake

AI and Automation Engineer - Dialog Axiata PLC | +94 779 393 662 | Hasindu.Theekshana@ext.dialog.lk

Charuka Jayamali

Software Engineer – IFS | +94 777 367 520 | charuka.jayamali@ifs.com