



CHANDIKA JAYaweera

Full-Stack Software Developer | Linux & Web Infrastructure |
Software Engineering Graduate

📞 +94 771 261 422

🌐 chandika.dev

✉️ hi@chandika.dev

🌐 chandikajayaweera

🐙 chandikajayaweera

📍 New Town, Ratnapura



PROFILE

Software Engineering graduate with a strong foundation in Linux server environments, web hosting, DNS/domain management, troubleshooting, cloud deployment, and full-stack software development. Experienced through independent projects with Linux VPS and shared hosting environments, including PHP/WordPress hosting, cPanel, LAMP-stack deployments, DNS records, SSL setup, email configuration, Cloudflare-based infrastructure, and application deployment workflows.

Strong practical exposure to Ubuntu Server, CentOS, SSH, Apache, Docker, GitHub Actions, Cloudflare Workers, databases, and modern JavaScript-based application development. Currently focused on building full-stack applications using TypeScript, SvelteKit, Node.js, Hono.js, Express.js, Docker, Cloudflare Workers, and database-backed systems.

Able to troubleshoot issues across hosting, DNS, email, deployment, backend systems, databases, and frontend applications. Comfortable working with technical documentation, identifying root causes, explaining technical concepts clearly, and supporting users through email, Zoom, phone, and remote support channels.

Seeking opportunities in Linux Systems Administration, Technical Support Engineering, Hosting Support, DevOps Support, Network Support, or Software Engineering, where software engineering knowledge, infrastructure troubleshooting, and hands-on hosting experience can be applied to real-world systems.



CORE STRENGTHS

- Linux server administration fundamentals
- Web hosting, cPanel, VPS, and LAMP-stack exposure
- DNS, domains, SSL, email setup, and hosting troubleshooting
- Full-stack JavaScript/TypeScript application development
- Cloudflare Workers and serverless application deployment
- Docker, Git, GitHub Actions, CI/CD, and deployment workflows
- Database-backed application design and troubleshooting
- Clear technical communication and documentation
- Ability to learn quickly and resolve unfamiliar technical issues



TECHNICAL SKILLS

Linux, Servers & Systems Administration

- Ubuntu Server, CentOS, Linux VPS, SSH, server maintenance basics, package updates, service troubleshooting, log review, backups, firewall configuration basics, VPS-based hosting, system configuration, server-side troubleshooting

Hosting & Web Infrastructure

- cPanel shared hosting, LAMP stack, WordPress hosting, PHP script deployment, Apache configuration, Virtualmin exposure, Coolify exposure, Cloudflare DNS/CDN, Hetzner, Contabo, DreamHost, hosting control panels, FTP/SFTP-style deployment workflows



TECHNICAL SKILLS

DNS, Domains & SSL

- Domain registration, nameservers, DNS zones, A records, MX records, CNAME records, TXT records, SSL setup, domain verification, Cloudflare DNS, domain-level configuration, website and email DNS troubleshooting

Email Systems

- SMTP, IMAP, POP3, mailbox setup, email account configuration, mail client setup, email delivery troubleshooting, Mailcow exposure

DevOps, Deployment & Cloud

- Docker, Git, GitHub, GitHub Actions, Caddy, Apache, Tomcat, Cloudflare Workers, CI/CD pipelines, deployment troubleshooting, serverless deployment, application release workflows

Programming & Development

- TypeScript, JavaScript, Node.js, Express.js, Hono.js, SvelteKit, Svelte, Tailwind CSS, Three.js, HTML, CSS, SQL, PHP, Python, Java, Go, MicroPython, Laravel

Databases & Tools

- MySQL, PostgreSQL, SQLite, LibSQL, MongoDB, Firebase, Drizzle ORM, Turso, Postman, Swagger, Mocha, Jest, Slack, Zoom, Chrome, Firefox



RELEVANT EXPERIENCE & PROJECTS

Self-Managed Hosting, Email & Server Administration

(Independent Learning / Personal Projects)

- Gained hands-on exposure to shared hosting and VPS environments through independent hosting and deployment projects.
- Hosted PHP scripts, WordPress websites, and LAMP-stack applications using shared hosting plans and VPS-based environments.
- Worked with cPanel shared hosting for file management, domain setup, database configuration, email account setup, and hosting-related troubleshooting.
- Uploaded and deployed websites using hosting control panels, FTP/SFTP-style workflows, and server-side configuration tools.
- Configured Apache-related settings and hosting extensions while deploying PHP-based applications and WordPress sites.
- Registered and managed multiple domains, including DNS configuration for websites, email services, and domain verification.
- Configured common DNS records including A, MX, CNAME, and TXT records.
- Experimented with Ubuntu Server and CentOS VPS environments via SSH for learning server administration and hosting concepts.
- Explored VPS-based hosting setups including web hosting, game server hosting, SMTP/email systems, Virtualmin, and deployment tools.
- Used Cloudflare for DNS management, domain-level configuration, SSL-related setup, and simplified application deployment.
- Gained practical troubleshooting experience by following technical documentation and tutorials, diagnosing setup issues, and resolving configuration problems.
- Later transitioned toward modern application development and serverless/cloud deployment, including Cloudflare Workers, to reduce infrastructure overhead and improve deployment efficiency.



RELEVANT EXPERIENCE & PROJECTS

Jinadasa ERP - Unified Retail & Wholesale Commerce Platform

Technologies: SvelteKit, TypeScript, Cloudflare Workers, Drizzle ORM, LibSQL (Turso), Tailwind CSS, Better Auth, Zod.

- Architected and developed a cloud-native ERP platform for hybrid B2B/B2C retail and wholesale operations.
- Deployed the system on Cloudflare Workers to improve performance, availability, and scalability.
- Built inventory management features including FIFO batch tracking and AVCO valuation for accurate stock and financial reporting.
- Developed a dynamic pricing engine supporting wholesale tiers, quantity-based discounts, VAT/SSCL tax handling, and return-related discount logic.
- Created role-based interfaces including a responsive POS system for cashiers, a mobile-optimized delivery interface, and an analytics dashboard for business owners.
- Applied TypeScript and Zod validation to improve data integrity and reduce runtime errors.
- Used Drizzle ORM and LibSQL/Turso for efficient database design and management.
- Troubleshoot deployment, database, authentication, and application issues across a full-stack production-style system.

MoCap Suit - Real-Time Motion Capture System [↗](#)

Technologies: SvelteKit, Three.js (WebGL), Node.js, WebSockets, MicroPython, ESP32-S3, UDP, TCP, I2C, SerialPort, Tailwind CSS

- Architected a complete hardware-to-software motion capture ecosystem using wearable sensor nodes and a wireless receiver unit.
- Built MicroPython firmware for ESP32-S3 hardware using UDP for low-latency sensor streaming and TCP for reliable command/control communication.
- Developed a real-time 3D visualization dashboard using SvelteKit and Three.js to display quaternion-based motion data on a rigged skeletal model.
- Created a Node.js CLI diagnostic tool for benchmarking, stress testing, connection testing, and raw serial stream analysis.
- Implemented error recovery logic for I2C bus stability and communication reliability.
- Gained troubleshooting experience across hardware, networking, serial communication, browser visualization, and backend data handling.



EDUCATION

BSc (Honours) Software Engineering

2022 - 2025

- University of Plymouth
- **Class:** Second Upper

Foundation Program For Bachelor's Degree

2025 - 2029

- NSBM Green University



REFERENCE

Ms. Hirushi Dilpriya (Final Year Project Supervisor)

Lecturer Probationary, Faculty of Computing

Phone: +94 11 544 5000

Email: hirushi.d@nsbm.ac.lk



ADDITIONAL INFORMATION

Career Interests: Linux Systems Administration, Technical Support Engineering, Hosting Support, DevOps Support, Network Support, and Software Engineering roles.

Primary Development Focus: JavaScript/TypeScript ecosystem, including SvelteKit, Node.js, Hono.js, Express.js, Cloudflare Workers, Docker, and SQL-backed applications.

Additional Programming Languages: PHP, Python, Java, Go, Laravel, MicroPython.