AMIRUL QAYYUM BIN SIKAMBAR

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PROFESSIONAL SUMMARY

Computer Science graduate in Network Engineering with hands-on experience supporting IT equipment, troubleshooting network and system issues, and maintaining Linux-based and virtualized environments. Practical experience with TCP/IP networking, routing and switching, Proxmox, Docker, and secure remote access. Also developed internal web applications to simplify office and field workflows. Seeking a General IT or Network Engineer role.

TECHNICAL SKILLS

- **Networking:** TCP/IP, routing and switching, DNS, DHCP, VLAN fundamentals, VPN, firewall fundamentals, HCIA Datacom
- **Systems and Infrastructure:** Linux (Debian, Arch, Raspberry Pi OS), Windows PCs, Proxmox VE, virtual machines, LXC containers
- **Network and Security Tools:** Tailscale, Cloudflare Tunnel, AdGuard Home, Nginx Proxy Manager
- **Support and Operations:** IT equipment installation, troubleshooting, preventive maintenance, backup operations, technical documentation
- **Automation and Applications:** Python, Flask, JavaScript, MQTT
- **Deployment and Tools:** Docker, Caddy, Git, GitHub, DigitalOcean, AWS fundamentals

WORK EXPERIENCE

Field Engineer | I Seen Technology Sdn Bhd | Apr 2026 – May 2026 - Installed and configured AV systems, PCs, and related IT equipment at client sites. - Troubleshot equipment and connectivity issues and performed preventive maintenance to keep systems operational. - Recorded installation, maintenance, and issue-resolution work in daily technical reports. - Coordinated schedules and site access with client contacts and senior team members across multiple locations.

Full Stack Developer Intern | Lenog Plant Service Sdn Bhd | Mar 2025 – Aug 2025 - Built a Flask-based letter generation system and deployed it in a Docker container on a Linux server hosted by DigitalOcean, replacing a manual Word-document process. - Built a mobile-responsive valve reporting system so field staff could submit reports digitally; deployed the application with Docker and Caddy on Linux. - Managed backups from the on-premises NAS to SSD storage and researched cloud backup options for management review.

PROJECTS

Distributed Home Lab and Private AI Services - Operated a Proxmox VE host with LXC containers and Docker to run services including AdGuard Home, Home Assistant, Uptime Kuma, and Nginx Proxy Manager. - Set up a GPU-equipped Linux workstation for local AI applications, installing NVIDIA drivers and CUDA tools for GPU-accelerated workloads. - Connected infrastructure and service monitoring tools to check host and application availability. - Used Tailscale for encrypted remote access and Cloudflare Tunnel to provide controlled access to selected test services.

Centralized Hub Home Automation | github.com/AtechPro/chha - Built a Raspberry Pi-based home automation application that communicates with ESP8266 and ESP32 devices using MQTT. - Added a Flask web interface for device management, scheduling, automation rules, user roles, and zone controls.

EDUCATION

Bachelor of Computer Science with Honours (Network Engineering) | Universiti Malaysia Sabah | Oct 2021 – Nov 2025
Foundation in Information and Technology | Universiti Malaysia Sabah | Aug 2020 – Jul 2021

CERTIFICATIONS

- AWS Certified Cloud Practitioner | Dec 2025
- Huawei Certified ICT Associate (HCIA) – Datacom | Oct 2023 – Oct 2026