Wang YaoHui (Eri)

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Profiles

🔗 YaoHui Wang

🔗 harowo

Skills

Networking & Security
DNS, TCP/IP, Firewalls (UFW/Cisco), VPN, VLANs, Cisco IOS, SSH Hardening

Cloud & Virtualization
Amazon Web Services (AWS), VMware, Cloudflare Zero Trust Tunnels

Systems Administration
Linux (Ubuntu Server), Microsoft Windows Server, OS Hardening, Service Auditing

DevOps & Containers
Docker, Docker Compose, Git, Python, SQL/NoSQL

Education

Nanyang Polytechnic
Diploma in Infocomm and Media Engineering (Specialization in Cloud Infrastructure and Services)
4.0 CGPA
2023 – 2025 (Graduated)

- **Academic Honors**: 4.0 CGPA; 6-time Director's List recipient.
- **Distinctions**: Data Communication & Networking, System Administration, Cloud Infrastructure, and IoT System Development.

Experience

FOSSASIA
Speaker
2021

Conducted a workshop on Introduction to Python during FOSSASIA Summit 2021.

BuildingBloCS
Head of Logistics / Webmaster
2020 – 2021
🔗 https://buildingblocs.sg/

Part of the organizing team, responsible for the distribution of gifts and managing logistical needs. Maintained the GitHub code base and updated the organization's website.

Summary

Highly motivated graduate with a Diploma in Infocomm and Media Engineering (Specialization in Cloud Infrastructure and Services) from Nanyang Polytechnic. AWS Academy Graduate (Cloud Foundations) with hands-on experience in Linux/Windows server administration, secure edge networking, and containerization using Docker and Kubernetes. Proven track record in designing resilient cloud architectures and optimizing network performance. Passionate about contributing to MRI Software's mission of digital transformation in the real estate technology sector.

Projects

Linux Infrastructure Hardening & Security Audit   2025

Developed comprehensive system architecture documentation and standard operating procedures for securing Linux environments.

- Reduced attack surfaces by auditing system services and configuring UFW firewalls to deny unauthorized traffic.
- Enforced the Principle of Least Privilege and implemented NTP time synchronization for accurate security auditing and forensic analysis.

Raspberry Pi Home Server & Network Edge Security   2025

Engineered a dedicated server on Ubuntu to orchestrate critical network services, including DNS sinkholes and IoT automation.

- Implemented Docker and Docker Compose for resource isolation and scalable application deployment.
- Configured secure public-facing access using Cloudflare Tunnels, ensuring edge networking security without exposing local firewall ports.

Awards & Certifications

AWS Academy Graduate – Cloud Foundations   Nov 2025
Amazon Web Services (AWS)
🔗 https://www.credly.com/badges/baae5bb3-03ae-4edc-8b73-318d7b757a6f

ISC2xSIM Cyber Cafe – Cybersecurity Workshop & CTF Participant   Aug 2025
🔗 https://badges.parchment.au/public/assertions/gH0N51SGTMOKCTJunNP2kA

Participated in a hands-on Capture the Flag (CTF) challenge, applying practical cybersecurity techniques, and engaged with industry professionals on career development in network security.

Finalist at SCSE Computing Challenge 2021   Dec 2020
🔗 https://www.ntu.edu.sg/computing/news-events/events/detail/2020/12/11/default-calendar/s...

Developed a captcha product based on handwritten mathematical equations, gaining insight into computational thinking, machine learning, and cloud environments (AWS).