Lek Nammathao

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Profile

Motivated rising third-year **Software Engineering** student passionate about cloud computing, AI automation, and full-stack development. Skilled in Python, Java, Git, and Bash, with hands-on experience deploying self-hosted infrastructure and web automation. Eager to apply technical skills, learn from professionals, and contribute to innovative software projects.

Languages

- English: Professional working proficiency
- Lao: Native proficiency
- Thai: Native proficiency

Technical Skills

- Programming Languages: Python, Java, Git, Bash
- Technologies and Tools: FastAPI, React, Docker, Proxmox, GitHub Actions, Cloudflare, Linux

Education

University of Technology Sydney | Bachelor of Engineering (Honours)　　　　　Sep 2024 – Dec 2027
- Achieved Diploma of Engineering with GPA: 6.8/7
- Awarded 20% Merit Scholarship

Experience

Doodee King | Sydney, NSW | Position: Chefs assistant　　　　　Sep 2024 – Present
- Adhered to strict food handling and hygiene standards, ensuring 100% compliance with NSW Food Safety regulations during daily kitchen operations.
- Prepared and served 50+ dishes per shift in a high-volume kitchen, coordinating with chefs to streamline workflow and cut prep time by up to 20% during peak hours.
- Supported chefs to improve service efficiency and reduce prep time during peak hours.

Kumon | Nongkhai, Thailand | Position: Tutor Assistant　　　　　Jun 2020 – Aug 2020
- Tutored 20+ students weekly to build confidence in mathematics and reading.
- Designed personalized feedback strategies for 20+ students, increasing engagement and tracking progress that led to a 10% rise in average performance.
- Coordinated communication with 10+ parents to discuss student progress, ensuring alignment on learning goals and improvement plans.

Projects

Self-Host Server　　　　　Nov 2024 – Present
Proxmox, Virtual Machine, Container
- Built and operated a self-hosted Proxmox stack running 5+ containerized services (media server, resume site, AI agent APIs), delivering **99%+ uptime and secure remote access** via Cloudflare Tunnels.
- Designed a **remote power management system** via mobile interface, reducing physical intervention by 90%.
- Engineered remote access with Tailscale and Cloudflare Tunnels; added static addressing, firewall rules, and MTU tuning to deliver **99%+ uptime** and reliable off-site access.

Personal Website leklek.net   Jul 2025 – Present
React, Docusaurus, GitHub Pages, Cloudflare
- Developed and deployed a **personal knowledge hub and portfolio website** using Docusaurus, hosted via GitHub Pages and Cloudflare, attracting **300+ unique visitors monthly**.
- Integrated an **AI-powered assistant** that handles over **100,000 requests per day**, delivering intelligent navigation and cloud documentation retrieval for visitors and project collaborators.
- Automated continuous deployment pipelines with **GitHub Actions**, ensuring consistent site availability and zero downtime during content updates.

Certifications

IELTS: 6.5   Issued Aug 2023 – Aug 2025
Ultimate AWS Certified Cloud Practitioner | Udemy – Stephane Maarek   Aug 2025