

PAV KHEMERAK

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Phnom Penh Thmei, Sensok, Phnom Penh | Github



PROFILE SUMMARY IT Officer with a strong background in Computer Science. Currently improving my skills through a Network Security course at Huawei Academy. Experienced in managing security hardware, fixing network issues, and building custom technical tools using Rust. Looking to use my deep knowledge of Linux and network administration in a professional role.

EXPERIENCE

Westbridge International School of Phnom Penh — Toul Kork, Phnom Penh

IT Officer | June 2025 — Present

- Managed and troubleshoot physical IT assets and endpoint devices, ensuring consistent network connectivity and operational uptime.
- Developed and maintained the school's website.
- Administered biometric access control systems (fingerprint devices) and physical security infrastructure.
- Maintained and monitored the campus CCTV network to ensure physical safety and visual data integrity.
- Maintained administrative information and ensured secure production and issuance of student and staff ID.

EDUCATIONS

- Royal University of Phnom Penh** — Toul Kork, Phnom Penh **Bachelor of Computer Science** | May 2025
- Paññāsāstra University of Cambodia** — Toul Kork, Phnom Penh **GESL Diploma** | Mar 2024
- Ponlok Khmer High School** — Poipet, Banteay Meanchey **High School Diploma** | Dec 2021

PROJECTS

- ket (Rust CLI Application):** Built a command-line interface tool for fetching and downloading files or medias from URLs
- Nexcore E-Commerce Architecture:** Managed a full-stack SpringBoot and ReactJS application, handling secure API routing and backend database integration.

SKILLS

Technical Skills

- Languages & Frameworks:** Rust, JavaScript, ReactJS, PHP, SQL, Python, C/C++, Java, Tailwind CSS, Bootstrap
- Cloud & Operating Systems:** Linux (Arch, Ubuntu, Kali, CentOS), AWS (EC2, S3, Amplify), Windows/WSL, VirtualBox, VMWare
- Databases & Tools:** MySQL, MS SQL Server, Git, GitHub, GitLab, Postman, XAMPP, WAMP
- Networking & Security:** IP Addressing, Subnetting, TCP/IP, DNS, Routing, Switching
- Professional Tools & Documentation:** Google Workspace, Notion, Obsidian, Microsoft Visio, Microsoft Office Suite, Adobe Creative Suite

Soft Skills

- Adaptable and open to new ideas and environments, work effectively with others to achieve goals
- Stays calm and effective during stressful tasks
- Critical thinking and brainstorming to get more possible ways to find the solutions
- Quick learner, able to understand new responsibilities and apply them effectively

COURSES & CERTIFICATIONS

- CCNA Enterprise Networking, Security, and Automation *Aug 2024*
- CCNA Introduction to Networking *Aug 2023*
- AWS Academy Cloud Foundation *Dec 2024*
- AWS Academy Machine Learning Foundations *Jan 2025*
- EF SET English Certificate *Oct 2025*

HOBBIES & INTERESTS

I love keeping up with new technology trends and learning new skills through online tutorials. I like reading personal development books and staying active by playing football and badminton, as well as going to the gym.