Phatsanphon Nakaranurak (Sun)

Enthusiastic Third-Year Information Technology student with a focus on networking & infrastructure at the School of IT, KMITL. Interest in Computer Networking, Cloud Infrastructure and DevOps. Demonstrates a passion for continuous learning, extending beyond IT into areas like photography and tarot reading. Eager to acquire new skills and knowledge. One accomplishment I take pride in is completing *Sekiro: Shadows Die Twice* without any prior experience with Souls-like games.

Relevant Experience

Network Engineer (Intern, Cooperative) @Innovative Extremist

May 2024 – June 2024, December 2024 – June 2025

- Created an internal firewall web interface for command line control.
- Practiced using Ansible and GitLab CI for automated deployment configuration.
- Utilized Zabbix and Grafana for monitoring.

Projects

<i>Judge – Online Code-Judging System *December 2023*

Stack: Next.js, Tailwind, MUI, Express.js, Java, Nginx, Golang, RabbitMQ, Docker, and MySQL

Website: ijudge.it.kmitl.ac.th

- Developed an online code-judging system called <i>Judge using Next.js, Tailwind, MUI, Express.js, and MySQL.
- Website hosted at ijudge.it.kmitl.ac.th, aimed at aiding professors in reviewing and evaluating students' algorithms, like LeetCode.
- Planned to completely replace ejudge.it.kmitl.ac.th by 2025, part of ITLadkrabang Open House 2023 for showcasing student projects.
- Collaborated with friends on backend, focusing on frontend, deployment, creating Docker Compose, reverse proxy and monitoring tools.

<i>Judge Grader – Grader for Online Code-Judging System *May 2024*

Stack: Golang, AMQP and RabbitMQ

- Rewrote the old grader from ejudge.it.kmitl.ac.th, transitioning from Python to Golang for improved performance.
- Changed job definitions to process one test case per grader, instead of one submission per grader.
- Enhanced grading efficiency by allowing multiple test cases to be judged simultaneously.
- Improved scalability to handle varying demands, ensuring consistent performance even during high-demand periods, such as exams.
- The new grader resolved pain points of the previous system, offering more reliable and faster grading.

THE PRO TUTOR – E-Learning website for tutoring school *January 2024*

Stack: SvelteKit, Skeleton (UI), Tailwind, ByteArk CDN and PostgreSQL

Website: theprotutor.net

- Website hosted at theprotutor.net, designed to offer tutoring services for schools.
- Hired as a developer for the project, focusing on utilizing SvelteKit and implementing ByteArk CDN for video storage and CDN functionalities.

Activities

Teacher Assistant – PROBLEM SOLVING AND COMPUTER PROGRAMMING *July 2023 – October 2023*

- Assisted the professor in teaching lab sessions for 1st-year Information Technology students.
- Collaborated with the professor to develop new problem sets used in lab sessions.

Teacher Assistant – OBJECT-ORIENTED PROGRAMMING *December 2023 – March 2024*

- Assisted the professor in teaching lab sessions for 1st-year Information Technology students.
- Collaborated with the professor to develop new problem sets used in lab sessions.

Contacts

Email: phatsanphon2004@outlook.com

GitHub: github.com/phatsanphonna

Education

Currently: School of Information Technology, King Mongkut's institute of Technology Ladkrabang

Bachelor of Science in Information Technology (Networking & Infrastructure Track)

Skills

Programming Languages: HTML, CSS, JavaScript, TypeScript, Python, Java, Golang

Libraries and Frameworks: React, Angular, Vue, Svelte, Tailwind, Next.js, MUI, SvelteKit, Prisma, Go Fiber, Shadcn/ui

Tools and Platforms: Docker, Huawei Cloud, Google Cloud Platform, Git, GitHub, Vercel, Cisco IOS, Linux, MySQL, PostgreSQL

Languages

Native in Thai, Intermediate in English, Beginner in Chinese and Beginner in Japanese

Interests

Photography, League of Legends, VALORANT, Traveling, Tarot Reading