

Pyae Sone Shin Thant

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SUMMARY

Computer Science undergraduate seeking hands-on industry exposure through a structured work experience program. Experienced in operating backend systems in Linux environments, containerized deployments, and CI/CD automation. Motivated to learn directly from industry professionals while contributing to reliable, secure, and scalable cloud infrastructure in a DevOps or Cloud Engineering role.

EDUCATION

- **King Mongkut's University of Technology Thonburi (KMUTT)** Bangkok, Thailand
Bachelor of Science in Computer Science *Expected July 2028*

TECHNICAL EXPERIENCE

- **Dev Lead & Co-Infrastructure Lead — Integrated Project | GitHub** Aug 2025 – Dec 2025
King Mongkut's University of Technology Thonburi
 - Designed the initial backend architecture for a large-scale academic system involving 50+ student developers across 16 teams
 - Defined API standards, documentation, and backend conventions to ensure consistency and reduce integration issues
 - Set up automated CI workflows and pre-commit checks to improve code quality and reduce deployment risks
- **Freelance Backend Developer — Student-Mentor Booking Platform** Nov 2025 – Present
Remote
 - Built and maintained a backend service for a one-on-one booking platform, handling scheduling, availability validation, and session management
 - Prevented double-booking through transactional workflows and database indexing using Prisma
 - Implemented REST APIs with NestJS, session-based authentication, and role-based access control
 - Containerized services using multi-stage Docker builds and Docker Compose, deploying to a self-managed Linux server
 - Designed a scalable media upload flow using AWS S3 presigned URLs and CloudFront, enabling direct client uploads while minimizing backend load
 - Applied basic security best practices including environment-based secrets management and HTTPS configuration

PROJECTS

- **Automated Court Booking System | GitHub (Python, FastAPI)** Jun 2025 – Jul 2025
 - Developed an automated backend service to submit time-sensitive Google Form bookings on behalf of users
 - Implemented precise scheduling and retry logic to handle strict timing windows and external request failures
 - Containerized and deployed the application on a Linux server for predictable runtime behavior
 - Monitored execution reliability through logs and failure handling to ensure consistent task completion
- **Portfolio Website (Docker, CI/CD, DigitalOcean)** Nov 2025
 - Deployed a personal portfolio using Dockerized services with automated CI/CD pipelines
 - Automated build, test, and deployment workflows using GitHub Actions
 - Configured DNS, SSL, and hosting infrastructure on DigitalOcean with Cloudflare

CERTIFICATIONS

- DevOps Mastery Specialization — KodeKloud (Coursera)

LEADERSHIP & COMMUNITY SERVICE

- **Academic Assistant Volunteer** Nov 2025 – Present
Thate Pan Hub (Science Education) *Remote*
 - Supporting the teaching team in delivering science education through class coordination and material preparation
 - Tracking attendance and compiling weekly progress reports
- **Event Volunteer — FOSSASIA Summit 2026** July 2025 – Present
Open Source Technology Summit *Bangkok, Thailand*
 - Assisting with outreach and technical support for a large-scale open-source technology event
- **Student Mentor — Buddies Program** Aug 2024 – Present
King Mongkut's University of Technology Thonburi *Bangkok, Thailand*
 - Mentoring junior and international CS students on academic planning and technical skill development
 - Providing guidance on software engineering and DevOps learning paths

SKILLS

- **Programming Languages:** Python, TypeScript, JavaScript, Java
- **Scripting:** Python, Bash
- **Databases:** PostgreSQL, MySQL, SQLite, Prisma ORM
- **Backend & Frameworks:** NestJS, Node.js, FastAPI, Hono, Express.js
- **Infrastructure & DevOps:** Linux, Docker (Multi-stage builds), Docker Compose, Kubernetes (fundamentals), Nginx, CI/CD (GitHub Actions, Jenkins)
- **Cloud & Storage:** AWS S3 (Presigned URLs, Object Storage), CloudFront (CDN), DigitalOcean