CHITSANUPAT WAYUSUWANWIT

DevSecOps / Full-Stack Developer Intern

Bangkok, Thailand
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SUMMARY

Second-year Computer Technology student at KMITL focused on DevSecOps. I build CI pipelines, container images and architecture guardrails for team projects, write threat models before shipping, and run a self-hosted homelab (Proxmox, segmented VLANs, WireGuard). Comfortable in TypeScript, Python and Go.

EDUCATION

King Mongkut's Institute of Technology Ladkrabang (KMITL) 2025 – Present
B.S. Industrial Education (Computer Technology) · GPA 3.85 (2nd year)
Member, Network and Cloud Laboratory (NaCl), Department of Computer Engineering, KMITL

PROJECTS

Questly (PyJudge) | Maintainer, DevOps & Architecture Jul 2026 – Present
github.com/03376124-SDD-2-1-69-SEC-1/PyJudge · Python, FastAPI, PostgreSQL, Docker, GitHub Actions, Judge0

- Maintain a 5-person classroom coding platform; authored ~260 of 300+ commits, 11 ADRs, repo rules (AGENTS.md) and a task-scope file with owners and allowed paths per task.
- Built the GitHub Actions pipeline: lint and format gates, unit/contract/architecture tests on every PR, cancellation of stale runs, and dummy secrets so CI can never reach the production database.
- Wrote a STRIDE threat model (OWASP Threat Dragon) covering 17 threats across trust boundaries, including untrusted student code, which runs only inside the Judge0 sandbox.
- Applied ports & adapters (hexagonal) architecture and enforced it in CI: architecture tests fail the build if the core imports the ORM, storage clients or external integrations.
- Containerised the app with a reproducible image (frozen lockfile, no dev dependencies); integration tests run on disposable database branches, guarded against hitting production.

Homelab | Self-hosted Infrastructure 2026 – Present
Proxmox VE · MikroTik RouterOS · WireGuard · Linux

- Run VMs and LXC containers on Proxmox; segment the network into VLANs with inter-VLAN firewall rules on a MikroTik router.
- Remote access only through a WireGuard VPN; no admin interfaces exposed to the internet.
- Deployed Apache CloudStack as a private cloud for a university course.

DOGA (Documentation Archives for NaCl) | Full-Stack Developer & System Architect 2025
Next.js 15 · Express · Prisma · PostgreSQL · NextAuth v5 · Docker

- Integrated NextAuth v5 with a custom LDAP/OIDC provider for role-based access control (Admin / Member / Guest).
- Contract-first API design with Zod validation end to end and Swagger documentation; Controller–Service backend.
- Shipped slim Docker images using Next.js standalone output.

KAFUNG Coffee Bar | System Architect & Lead Backend 2025
Next.js 15 · Prisma · PostgreSQL | github.com/G10-Team-Project-SoftwareDev-1-Sec-1-68/coffe-shop

- Custom JWT authentication with role-based access (Admin / Staff / Customer); transactional stock deduction.

EXPERIENCE

BorntoDev | Teaching Assistant & Technical Content Writer Sep 2025, Nov 2025, Feb 2026 (3 months)

- Supported hands-on workshops (e.g. DIGI Data Camp) on Google Cloud, Azure, BigQuery, Vertex AI and n8n; debugged participants' setups live.

BorntoDev | Tech & Coding Consultant Jan 2025 – Jun 2025 (6 months)

- Built the online course "Creating Interactive Web Animations with AnimeJS" (school.borntodev.com/course/animejs).
- Wrote technical articles (borntodev.com/author/piezapiezakok) and advised developers on tools and workflows.

SKILLS

DevOps & CI/CD	Docker, Kubernetes, Jenkins, GitHub Actions, Git (PR review workflow), Nginx, Linux (Ubuntu)
Security	STRIDE threat modelling, OIDC/LDAP, JWT, RBAC, CI secret hygiene, VLAN segmentation, WireGuard
Infrastructure	Proxmox VE, MikroTik, Apache CloudStack, GCP, Azure, Vercel, Cloudflare R2
Languages	TypeScript, Python, JavaScript, Go · NestJS, Express, FastAPI, Next.js, PostgreSQL, Prisma