

RONNACHAI SITTHICHOKSATHIT

DevOps / Cloud / Platform / SRE Engineer

Contact via the Interview Availability page below | Full contact details on request

Chiang Rai, TH | Willing to relocate to Bangkok | Open to Remote

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SUMMARY

Computer Engineering graduate (Chiang Mai University, 2026) focused on DevOps, cloud, and infrastructure across both Linux/CI-CD and Windows Server/Active Directory. Built GitLab CI/CD pipelines with GitOps, Kubernetes, and ArgoCD during a Cooperative Education program at ITSC, Chiang Mai University, and independently delivered a paid Windows Server 2012 R2 to 2022 Active Directory migration (FSMO, DFSR/SYSVOL, DHCP, firewall integration) for an SME client. Integrated shift-left security tools (Semgrep, Gitleaks, Trivy) and built the DevSecOps project VisScan. AWS Certified Cloud Practitioner (CLF-C02); currently preparing for AWS Solutions Architect Associate (SAA-C03) and CKA. Open to DevOps, Cloud, and Platform Engineer roles in Bangkok or remote.

EXPERIENCE

Active Directory Migration - Freelance Engagement

Jun 2026

Subcontracted client engagement (SME) Remote, TH

- Delivered an end-to-end Active Directory migration from Windows Server 2012 R2 to 2022 (dual domain controllers on VMware ESXi) for an SME client during a planned maintenance window, self-learning AD administration for the engagement.
- Promoted new domain controllers, transferred all FSMO roles, demoted legacy DCs with metadata cleanup, and raised the domain functional level — achieving directory replication with zero errors.
- Diagnosed and resolved a missing SYSVOL/NETLOGON share (root cause: the legacy DC never held a complete SYSVOL before migration) via DFSR authoritative restore and full DC re-promotion, restoring SYSVOL that persists across reboots.
- Migrated DHCP scopes for 4 subnets to the new domain controller (export/import) to restore client IP allocation, and reconfigured WatchGuard firewall authentication against the new AD using a dedicated service account.
- Documented the migration as a root-cause case study for portfolio use.

DevOps Engineer - Cooperative Education Program

May 2025 - Oct 2025

ITSC, Chiang Mai University Chiang Mai, TH

- Designed and built GitLab CI/CD pipelines following a GitOps approach for QR Payment Services (.NET 8.0), collaborating with a senior engineer mentor from scratch — covering repository structure, sync policy, and rolling update deployments to Demo and Production environments via ArgoCD on an on-premise Kubernetes cluster.
- Integrated a shift-left security toolchain (Semgrep SAST, Gitleaks secret scanning, Trivy) into the pipelines, enabling automated vulnerability detection at the commit stage.
- Used Kaniko for daemonless container image builds within GitLab CI, removing the Docker daemon dependency in the CI environment.

Front-End Developer (Contract)

Jan 2025 - Jan 2026

Southern Thailand Association Remote, TH

- Built a membership management web application (Next.js / TypeScript) covering registration, document verification, and member workflows; co-designed the database schema and deployed the system on an on-premise server.

Teaching Assistant - Logic & Digital Circuits Lab

Jul 2024 - Sep 2024

Chiang Mai University Chiang Mai, TH

- Provided IT hardware support and technical mentoring for 30+ students per lab session.

PROJECTS

VisScan - DevSecOps Security Scanner (personal project)

Oct 2025 - Mar 2026

github.com/Unlxii/VisScan

- Built a multi-tenant web platform (Next.js, TypeScript, PostgreSQL/Prisma) on a self-hosted university VM, with institutional single sign-on via CMU Microsoft EntraID (OAuth2), role-based access control, and a structured audit log.
- Designed a RabbitMQ message queue to decouple the web application from the CI runner: separate SCAN_AND_BUILD and SCAN_ONLY lanes with a prefetch limit, capping concurrent pipeline load and preventing runner oversubscription so requests queue instead of overwhelming the server.
- Built an 8-stage GitLab CI pipeline with automatic stack detection across multiple language ecosystems (Node, Go, Python, Java); daemonless image builds with Kaniko; integrated Gitleaks and Semgrep scans; and a release gate that blocks image promotion when Trivy detects a CRITICAL vulnerability.
- Added supply-chain security features: CycloneDX SBOM (Software Bill of Materials) generation via Trivy, and optional Sigstore Cosign image signing for released images.

VisScan GitLab CI Template

github.com/Unlxii/VisScan-gitlab-ci-template

- Reusable, plug-and-play .gitlab-ci.yml template that lets any team integrate VisScan security scanning into their own GitLab CI pipeline.

OPEN SOURCE CONTRIBUTIONS

- [aquasecurity/trivy-action](#) — PR #578 (open): Fixed 5 discrepancies between README inputs table and action.yml, including a missing cache input row, a type mismatch on token-setup-trivy, and incorrect defaults for scan-ref and list-all-pkgs.
- [anchore/scan-action](#) — PR #708 (open): Added missing registry-username and registry-password input declarations to action.yml — these inputs had been implemented in code and documented in README since 2022 but were never declared in the action manifest.
- [sigstore/cosign-installer](#) — PR #244 (open): Added missing Default column to the optional inputs table in README.md, sourcing values from action.yml for all three inputs (cosign-release, install-dir, use-sudo).

TECHNICAL SKILLS

Infrastructure & Systems: Windows Server (AD DS, DC/FSMO, DFSR/SYSVOL, DHCP), VMware ESXi, WatchGuard firewall, Linux, Bash

DevOps & Automation: Docker, Kubernetes, ArgoCD, GitLab CI/CD, GitOps, Kaniko, GitHub Actions

Security & DevSecOps: Trivy, Gitleaks, Semgrep, SBOM (CycloneDX), Cosign, container security, shift-left scanning

Cloud: AWS, Huawei Cloud

Development & Data: Python, TypeScript, JavaScript, Next.js / React, PostgreSQL / Prisma, RabbitMQ

CERTIFICATIONS

- AWS Certified Cloud Practitioner (CLF-C02) — Amazon Web Services, 2026 (valid through 2029).
- HCCDA-Tech Essentials — Huawei Cloud, 2026.
- Linux Essentials; NDG Linux Unhatched; Introduction to Cybersecurity — Cisco Networking Academy.
- In progress: AWS Solutions Architect Associate (SAA-C03), target 2026; CKA: Certified Kubernetes Administrator (planned).

EDUCATION

B.Eng. Computer Engineering

Jun 2022 - Mar 2026

Chiang Mai University, Faculty of Engineering Chiang Mai, TH

Relevant coursework: Database Systems, Embedded Systems, Software Engineering, Data Mining, Computer Networks, Algorithms.

LANGUAGES

Thai (Native) | English (Communicative) | Dutch (Basic)