PHITCHAWAT LUKKANATHITI

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Software Engineer across development, infrastructure, and DevOps; seeking growth to expand technical skills. Proven in crisis response and scaling secure, high-availability systems. Conviction: value comes from people and sound engineering, not LLM hype.

PROFESSIONAL EXPERIENCE

LINE Pay (Thailand) Co., Ltd.   Bangkok, Thailand
Site Reliability Engineer   Jan 2024 – Present

- A subsidiary company of LINE MAN Wongnai.
- Architected and managed PCI-DSS-compliant infrastructure supporting high-volume payment processing
- Automated critical operational workflows using Python and Bash scripting
- Designed and provisioned scalable infrastructure for Network Separation Project using IaC principles
- Implemented comprehensive monitoring and alerting systems for production environments

Merkle Capital Co., Ltd.   Bangkok, Thailand
Senior Full-Stack Software Engineer / Developer   Oct 2023 – Jan 2024 (4M)

- Executed hiring and onboarding processes as acting technical lead, managing cross-functional interviews
- Orchestrated rapid incident response for critical DDoS attack (1-hour mitigation) and VM recovery (2 hours)
- Optimized CI/CD pipeline performance, reducing runtime from 30 minutes to 12 minutes
- Strengthened security posture by implementing SSL PostgreSQL connections and access controls
- Architected background task processing system using Bull queue and Redis for improved scalability

Full-Stack Software Engineer / Developer   Oct 2022 – Sep 2023 (12M)

- Developed and maintained core digital asset management platform serving enterprise clients
- Enhanced KYC compliance by integrating advanced liveness detection through Verifio API
- Delivered fund-switching feature with optimized CI/CD pipeline and comprehensive Cypress test coverage
- Managed multi-site network infrastructure including Wi-Fi systems for Dragon Town and MitrTown offices
- Implemented security testing infrastructure with mock phishing campaigns and outbound proxy services

Project Manager   Jun 2022 – Sep 2022 (4M)
(Outsourcing under D.E. Wellington Technologies Co., Ltd. | Concurrent with LINE MAN part-time role)

- Led cross-functional team of 8 (1 PM, 4 Developers, 2 QAs, 1 UX/UI Designer) in Trading Terminal development
- Served multiple leadership roles: Technical Lead, DevOps Engineer, System Architect, Product Owner, Scrum Master
- Delivered complex financial platform integrating real-time market data and portfolio management

LINE MAN Wongnai Co., Ltd.   Bangkok, Thailand
Site Reliability Engineer (Part-time)   Apr 2022 – Sep 2022 (6M)

- Executed large-scale cloud migration from Huawei Cloud to AWS, ensuring zero-downtime transition

- Enhanced GitLab CI capabilities with single-branch workflow optimization for improved deployment efficiency

- Developed automated log collection and analysis tools for tech infrastructure auditing and compliance

ExxonMobil Corporation — Bangkok, Thailand
Platform Engineering Intern — May 2021 – Nov 2021 (7M)

- Conducted comprehensive QA testing on enterprise POS systems and developed automation PoCs

- Resolved critical retail batch validation errors affecting daily operations across multiple locations

- Engineered diagnostic scripts reducing investigation time from 20 days to 2 hours

Freelancer / Outsourcing — 2014 – 2022
Developer, Project Manager, Software Engineer

- Built enterprise LINE Official Accounts management platform with cost-effective broadcasting solutions

- Developed KOBBank SaaS platform: bank transaction crawler with 400+ licenses and >2.4M THB revenue

- Created comprehensive drone image processing solutions (live video, crop analysis, orthophoto, 3D mapping)

TECHNICAL SKILLS

Programming Languages:	Python, Golang, JavaScript, TypeScript, C
Backend Frameworks:	FastAPI, Flask, Express, Django, Laravel, CodeIgniter, Celery
Frontend Technologies:	React, Tailwind CSS, Bootstrap, jQuery
Database Systems:	PostgreSQL, MySQL, MariaDB, MongoDB, Firebase Firestore, Firebase Realtime Database, Redis
Cloud & Infrastructure:	AWS, GCP, Kubernetes, Docker, Terraform, ArgoCD, CloudFlare
DevOps & Orchestration:	GitLab CI/CD, Jenkins, Helm, Kustomize, Kpt, Kong
Development Tools:	Git, GitHub, GitLab, VSCode, GoLand, PyCharm
System Administration:	Linux, Bash scripting, Network Security, PCI-DSS Compliance

EDUCATION

Kasetsart University — Bangkok, Thailand
B.Eng. (Computer Engineering), Second Class Honors *GPA: 3.42* — Aug 2018 – Apr 2022
Senior Project: Optimizing and Deploying WebODM on a Kubernetes Cluster on Bare-metal Server

PUBLICATIONS

On the Scaling of Drone Imagery Platform Methodology Based on Container Technology
Journal of Information Processing Systems (JIPS), Aug 2024
The study enhanced WebODM, a drone imagery processing platform, by using container technology and Kubernetes for scaling. While response time slightly increased (1.9%), throughput improved by 101% enabling better concurrent user support. Automation using infrastructure as code was also explored.
DOI: 10.3745/JIPS.04.0313

CERTIFICATIONS

Pitching and Negotiation — TUXSA, May 2025
Certificate ID: VHT04ID
Accelerating CUDA C++ Applications with Multiple GPUs — NVIDIA DLI, Apr 2021
Certificate ID: 1a1750b258d64ef89b466fa286e31f0a

KEY PROJECTS

2024 - CloudPBX / Telephone System — (FreePBX, SIP)
Enterprise PBX communication system for Merkle Capital Co., Ltd. and Cryptomind Group.
2022 - Trading Terminal for Merkle Capital — (Django, React, GCP, Terraform)

Comprehensive asset management system for cryptocurrencies and digital tokens.
Project Value: 1,300,000 THB

2021 - WiFi Hotspot & Logging System (Mikrotik, Synology NAS)
Enterprise WiFi infrastructure with comprehensive traffic logging. Cost optimization: 30,000 THB.

2020 - KUFillingGood (Firebase, JavaScript, Google Cloud Storage)
Third-party KU class registration advisory system serving university students.

2014-2016 - KOBBank Platform & Admin System (PHP, Python, PyTorch, MariaDB)
Bank transaction crawler SaaS with licensing and billing management system.
400+ total licenses (89 active), Project Value: >2,400,000 THB

LEADERSHIP & RECOGNITION

- **1st place** – KPMG Cyber Security Challenge 2021 (Team Leader of Kaidonjai)

- **1st place** – ASEAN group of ASCIS2021 (Team Leader of IDK IDK IDK)

- **1st place** – Thailand Cyber Top Student 2021 (Team Leader of IDK IDK IDK)

- **First Prize** – ASC 20–21 (Asia Supercomputer Community) Recognized for optimizing QuEST and infrastructure preparation

- **2nd place** – Financial Cybersecurity Bootcamp 2020 (Thai Bankers' Association)

- **2nd place** – Thailand Cyber Top Talent 2022 (Senior Level)

LANGUAGES

Thai:	Native Speaker
English:	TOEIC 820/990 (B2/Upper-Intermediate)