

PHITCHAWAT LUKKANATHITI

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Highly skilled IT Generalist with a focus on software engineering, automation, Site Reliability Engineering, and cloud infrastructure. Experienced in delivering high-availability, PCI-DSS-compliant solutions and building DevOps pipelines. Driven by a passion for optimizing complex architectures and delivering scalable systems.

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

WORK EXPERIENCE

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

- Focus on SRE, DevOps, Infrastructure as Code (IaC), and system administration.
- Automated day to day tasks with Python, and Bash Script.
- Manage PCI-DSS-compliant infrastructure and production servers.
- Provision new infrastructure for the Network Separation Project

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

- Served as hiring manager (on behalf of ex-CTO), managing interviews and onboarding.
- Rapidly mitigated a critical DDoS attack (1 hour) and recovered deleted VMs (2 hours).
- Optimized CI/CD pipeline, reducing runtime from 30 minutes to 12 minutes.
- Enforced security policies (SSL PostgreSQL connections, etc.).
- Set up a background task system with Bull and Redis.

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

- Developed and maintained digital asset management platforms (main product).
- Improved KYC liveness detection with Verifio integration.
- Created a fund-switching feature; optimized CI/CD pipeline and Cypress tests.
- Maintained Wi-Fi Hotspot/Logging system for two offices (Dragon Town, MitrTown).
- Set up mock phishing for Crypromind Group and an outgoing proxy for Merkle/Elkrem.

Project Manager Jun 2022 – Sep 2022 (4M)
(Outsourcing under D.E. Wellington Technologies Co., Ltd.)

- Led a team of 1 PM, 4 Developers, 2 QAs, and 1 UX/UI Designer to develop a Trading Terminal platform.
- Acted as technical leader, DevOps, system architect, product owner, and scrum master.

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

- Migrated infrastructure from Huawei Cloud to AWS.
- Developed GitLab CI enhancements for a single-branch workflow.
- Created log collector and summary scripts for tech-infra auditing.

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

- Performed QA on POS systems and PoC for automated testing.
- Investigated and resolved retail batch close validation errors.
- Wrote scripts reducing investigation time from 20 days to 2 hours.

Freelancer / Outsourcing

Since 2014

Developer, Project Manager, Software Engineer

- Built an alternative LINE Official Accounts management panel (cheaper broadcasting, admin panel).
- Created KOBBank, a bank transaction crawler SaaS.
- Developed drone image processing (live video, crop health, orthophoto, 3D point cloud).

SKILLS

Languages/Frameworks:	Python, Golang, JavaScript, TypeScript, C, FastAPI, Flask, React, Express, Django, Firebase, Laravel, CodeIgniter, Celery
Libraries:	Tailwind CSS, jQuery, Bootstrap
Databases:	MySQL, MariaDB, PostgreSQL, MongoDB, Firebase Firestore, Firebase Realtime Database
Dev Tools:	VSCode, GoLand, PyCharm, Git, GitHub, GitLab, CI/CD, Jenkins
System/Infra:	Linux, Docker, Kubernetes, Terraform, ArgoCD, AWS, GCP, CloudFlare, Redis, Bash, Kong

PROJECTS

2024 - CloudPBX / Telephone System	(FreePBX, SIP)
PBX system for Merkle Capital Co., Ltd. and Cryptomind Group.	
2022 - Trading Terminal for Merkle Capital	(Django, React, GCP, Terraform)
System to manage assets, cryptocurrencies, and digital tokens.	
Project Value: 1,300,000 THB	
2021 - WiFi Hotspot & Logging System	(Mikrotik, Synology NAS)
WiFi hotspot with traffic logging for Merkle Capital. Reduced costs by 30,000 THB.	
2020 - KUFillingGood	(Firebase, JavaScript, Google Cloud Storage)
3rd-party KU class registration advisory system.	
2014 - KOBBank	(PHP, CodeIgniter, JavaScript, Socket.io)
Bank transactions crawler SaaS with 400+ total licenses (89 active). Project Value: >2,400,000 THB.	
2014 - KOBBank Admin Panel	(PHP, GCP, Memcached, Python, Flask, PyTorch, MariaDB)
Licensing, management, and billing system for KOBBank.	

AWARDS

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- **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)