Tanuson Deachaboonchana

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OBJECTIVE

Backend engineer at LINE MAN Wongnai and co-founder of Mee Palang Mai. I work mostly in Go, on merchant platform services, observability pipelines and registration systems that a few thousand people open in the same minute. I would rather own a service end to end than hand it off at the API boundary.

WORK EXPERIENCE

Software Engineer, backend

May 2026 – Present
Full-Time

LINE MAN Wongnai

- Built the merchant-message service behind the Merchant App inbox and in-app notice banners, now serving millions of gRPC calls a day, and moved merchant messaging off the legacy monolith with dual-write and a feature-flagged rollout to every merchant.
- Chose the datastore layout for high-volume merchant messaging: shard-key analysis, index and TTL policy, and a written decision to stay on one replica set instead of sharding.
- Shipped deterministic field-level encryption for merchant contact data and moved more than 1.7M user records onto it with no interruption to merchants, using flag-gated dual-write, Airflow backfill and a staged rollout reviewed with SRE.
- Carried production on-call for the merchant platform through more than 50 incidents: root-caused GraphQL error-rate spikes, Redis circuit-breaker trips and payment status mismatches, then shipped the fixes and the guardrails.
- Built the engineering AI toolkit (wma-docs): shared skills for design docs, RFCs and implementation, installable through npm or the Claude plugin marketplace and now used by 4 squads and more than 20 engineers.
- Mentored the 2026 intern cohort: scoped their tickets, reviewed their code, ran feedback sessions.

Technical Lead & Co-Founder

Nov 2025 – Present
Co-Founder

Mee Palang Mai Co., Ltd.

- Co-founded a software studio and set its technical direction and development standards.
- Delivered an HR and field operations platform for a client end to end, running around the clock for 10,000 staff across the country: attendance, leave, OT, payroll and expenses, on NestJS, Prisma, PostgreSQL, AWS Cognito and LINE LIFF.
- Built CUrious, a real-time classroom quiz platform in Go with MongoDB, Redis and WebSocket, including score write-back to the university LMS.
- Provisioned the infrastructure from bare metal up: Proxmox VMs with OpenTofu, k3s with Ansible, and a repeatable CloudFront and S3 pipeline now serving 10 live domains.
- Run a multi-agent AI engineering fleet managed as GitOps, which the team uses for design docs, review and operations.
- Led a team of 10: set direction, reviewed code and mentored the engineers.

Software Engineer, platform
Aug 2025 – Apr 2026
LINE MAN Wongnai
Part-Time

- Built the organization's unified observability pipeline on OpenTelemetry and ClickHouse, and load-tested the ingestion path at 200K+ logs/sec and 400K+ traces/sec.
- Tuned schemas, retention and queries to halve storage cost and hold full-text log search under a second.
- Designed and built the Platform Portal, now the starting point for around 500 engineers across the organization, from requirements gathered across several teams.
- Helped design the near-real-time check that catches a regression in the minutes after a deploy.

Software Engineer, backend
May 2025 – Jul 2025
LINE MAN Wongnai
Internship

- Built Announcement V1 in Go, the service that delivers announcements to merchants, handling 200K+ RPS and over 1M database operations.
- Made it degrade gracefully under a traffic surge instead of failing outright.
- Cut a database load spike by redesigning the infrastructure that handles large-scale transactions.

Full-Stack Developer
Apr 2024 – Nov 2024
Swipe
Part-Time

- Built the PWA for a map-based restaurant discovery product, where people browse reviews, reviewers and review photos by location, from Figma designs in Next.js, TypeScript, MUI and Redux.
- Shipped the APIs behind it, and tuned the frontend for load time and responsiveness.

Software Developer
May 2024 – Jul 2024
Blockfint
Internship

- Built a carbon credit offset calculator in Next.js and TypeScript, and reworked its UX.
- Used concurrency to speed up the API endpoints behind it.

Full-Stack Developer
2022 – 2025
Freelance
Self-employed

- Delivered seven client projects in Next.js and Node.js, with custom dashboards, payments and third-party integrations.
- Set up the CI/CD pipelines, cloud deployments and monitoring behind them.
- Led small teams: set direction, reviewed code, mentored developers.

SKILLS

languages	JavaScript, TypeScript, Golang, Java, Python, C++, SQL
frameworks	Next.js, Nest.js, Fiber, Gin, React, Prisma, Django, GORM, Drizzle
databases	PostgreSQL, Clickhouse, MongoDB, Redis, MySQL, Supabase, Qdrant
cloud	AWS, GCP, DigitalOcean, Firebase, Vercel
ai	Python (ML), PyTorch, TensorFlow, RAG, LangChain, Agentic AI, MCP
data	Spark, Kafka, Airflow, RabbitMQ
devops	Docker, Kubernetes, Helm, Argo CD, Gitlab CI/CD, Jenkins, Github Actions, Prometheus, Grafana, OpenTelemetry, Vector, Terraform

EDUCATION

Bachelor of Engineering, Computer Engineering Aug 2023 – Present
Chulalongkorn University, expected 2027

Coursework: Data Structures and Algorithms, Database Systems, OOP, Software Engineering, Computer Networks, Operating Systems, Data Science, System Design.

EXTRACURRICULAR ACTIVITIES

Information System Development, SGCU Jun 2024 – Present
Lead Software Engineer

- Built the group selection feature on the incoming students site, used by up to 3,000 people a day.
- Designed the data model and project structure for the CU Council system.
- Led the build of Chu News, the university news site.

Thinc. (Thailand Incubator) Aug 2024 – Present
Core Team & Lead Software Engineer

- Core team of a student-run tech community that builds for social causes.
- Supervised several project teams and the engineers on them.

Google Developer Student Club CU Sep 2023 – Present
Core Team

- Introduced Google developer tools to students across campus.

Engineering Student Committee, Chulalongkorn University Aug 2025 – Present
Lead Software Engineer

- Led the engineering team building the committee's product: architecture, code review and troubleshooting.
- Set up the development environment and workflow the team works in.

PROJECTS

Rub Puen Kao Mai 2024 Golang · Microservices · PostgreSQL · Kubernetes Jul 2024
Freshmen orientation registration, up to 3,000 users a day on Go microservices.

Nodi RAG · Qdrant · Python · Vercel · OpenAI API · Scopus API · Vertex AI Dec 2024
Web app for discovering research papers via intelligent conversations using RAG techniques.

Shoppo Chrome Extension · Python · Selenium · OpenAI API · Golang Nov 2024
Browser extension that recommends products and alternatives; supports Shopee.

Smart Parking C++ · Firebase · Hardware Nov 2024
System and web app for parking lot status reporting and real-time slot visualization.

CU Openhouse Next.js · Golang · LINE LIFF · PostgreSQL Jan 2025
Chulalongkorn Openhouse 2025: 120,000 registered users, 12,000 concurrent on the day.

TUCU Football Match Golang · AWS S3 · PostgreSQL Jan 2025
Registration and announcements for 20,000+ students, 3,000 registering at once.

CERTIFICATES

Supervised Machine Learning: Regression and Classification — October 2022
Regression and classification: training models, evaluating them, and the gradient descent and regularization behind both. — DeepLearning.AI

Technical Support Fundamentals — October 2022
Troubleshooting, hardware and software support, and how to talk to the person reporting the problem. — Google

Build LookML Objects in Looker — June 2024
Building data models in LookML inside Looker, for analysts to query from. — Google Cloud

AI Engineer Agentic Track: The Complete Agent & MCP Course — May 2025
Agentic AI architectures: multi-agent collaboration, memory, feedback loops and real-time tool integrations, across 8 projects covering web search, file handling and Python execution. — Udemy

Software Architecture & Technology of Large-Scale Systems — Nov 2025
Architecture of large-scale systems: performance, scalability, reliability and security, and how Node.js, Redis, Kafka, Cassandra, ELK, Hadoop, Docker and Kubernetes work underneath. — Udemy