Komsan Nipharat

Backend Engineer

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Backend engineer for logistics, payment, and telecom systems — NestJS, Go, MongoDB, PostgreSQL.

Emphasis on the TMS API, EDI and payment services, and the Go job path.

Highlights

Logistics platform
~3,400 commits
24 repositories and 12 products at GRAM, Oct 2023 – Sep 2026.

Image size
–55%
Smaller API Docker image after moving PDF rendering to Gotenberg.

Payments
QR + carrier billing
Bank QR payment service at GRAM; carrier billing for three Thai operators at AddTech.

Telecom path
SMS · USSD · IVR
Operator integrations, not mocked channels.

Skills

Languages	Go	Backend	NestJS · Node.js
Data	MongoDB · PostgreSQL · Redis	Queues	RabbitMQ · NSQ

Experience

A & P Innovate Service Co., Ltd. Oct 2026 - Present
Software Developer · Outsourced · Bangkok, Thailand

- Building a manufacturing and warehouse ERP for a frozen-food producer (sales, production, warehouse, and loading bay) in TypeScript, React, Node.js, and PostgreSQL; delivered auth hardening, warehouse flows, and master data across 50+ merged pull requests.
- Set up an AI-assisted delivery pipeline: agents draft code and tests, and every change goes through my review and CI before merge. Restored the failing CI pipeline.

GRAM Software Solution Co., Ltd. Sep 2023 - Sep 2026
Full Stack Developer · Bangkok, Thailand

- Lead developer of the Tago driver app (10K+ Play Store installs) and sole developer of TruckKrub and ล่าค่าเที่ยว (La Kha Thiao), both live on iOS and Android.
- Cut the API Docker image from 2.6 GB to 1.17 GB by moving PDF rendering from Puppeteer to Gotenberg.
- Upgraded the Angular back office from v17 to v22 and built its multi-tenant white-label system.
- Sole developer of the bank QR payment service that connects yard and transport billing to two Thai bank QR payment rails.
- Documented servers, deploy playbooks, and a domain primer so the platform can be operated and handed over without tribal knowledge.
- About 3,400 commits across 24 repositories and 12 products; sole or near-sole author of 16 of the 24 repositories.

AddTech Hub Public Company Limited Apr 2020 – Sep 2023

Software Developer · Bangkok, Thailand

- Main author of the New MVAS scheduler in Go + NSQ (597 of 657 commits), which sends subscription content and charges across three Thai mobile operators.
- Main author of the campaign platform's NestJS service (348 of 423 commits): services, redeem codes, USSD callbacks, partner callbacks, and Kibana reporting.
- Built the carrier-billing portal and partner dashboard in Angular, including fixes from a penetration test.
- Fixed production deadlocks, retries, and slow MongoDB queries by moving blocklist and subscription checks to aggregations.

Selected work

Tago Express TMS platform · Core backend contributor (#2 of the API) and co-lead of the Angular back office

Transport and container-yard management: gate-in/out, surveys, EIR, yard plans, orders, driver assignment, invoicing, and receipts. One platform serves several white-label tenants.

`NestJS · Angular · PostgreSQL · MongoDB · Redis · Gemini · Gotenberg · Docker`

EDI Go service (COPARN / CODECO) · Sole author

Go microservice that receives and sends shipping-line EDI messages over FTP and email.

`Go · RabbitMQ · PostgreSQL · Jaeger · OpenTelemetry · Docker`

Bank QR payment gateway · Sole developer

Payment service connecting yard and transport billing to two Thai bank QR payment rails.

`Node.js · Fastify · SCB API · KBank API`

Payment gateway and MVAS · Software developer — payment and MVAS services

Payment and mobile value-added services that complete against telecom networks, not only an internal checkout screen.

`Go · Node.js · MongoDB · NSQ · SMS · USSD · IVR`

Go workers and NSQ schedulers · Main author — 597 of 657 commits (2022–2023)

The New MVAS scheduler: a Go + NSQ queue processor that sends subscription content, charges, and warnings across three Thai mobile operators.

`Go · Echo · NSQ · MongoDB`

Education & languages

Panyapiwat Institute of Management (PIM) Jun 2016 – Feb 2020

Bachelor's degree, Information Technology

Thai	Native
English	Professional working proficiency: documentation, code review, and written communication

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Open source

7 pull requests merged into other people's projects, including node-pg-migrate, herdr, ngx-daterangepicker-material, and collie.