Top Thammanun

Full-Stack Developer · Thailand (UTC+7)

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SUMMARY

Most of my work is government and enterprise software where the forms are long, the rules are strict and the data has to be right.

I am comfortable on both sides of the API: ASP.NET Core and NestJS services on PostgreSQL, and React/Next.js applications on top of them.

I also build the tools I work with, including skills and hooks that make coding agents follow my actual process.

EXPERIENCE

Industrial-estate e-Permit platform

2026-07 – now

Full-Stack Developer · GovTech · permits

Online permit applications for factory operators and the officer-side review system: long multi-tab forms, document handling, approvals and generated letters.

- Work across four repositories at once: two Next.js apps (applicant and officer) and two NestJS services on PostgreSQL.
- Built multi-tab application forms with file uploads, bilingual labels and draft/resubmit flows, plus the officer side: per-field comments, return rounds and OTP-confirmed approval.
- Made saved applications read as a frozen snapshot instead of live registry data, so an approved request always shows what was submitted.
- New front-end code is typed only from OpenAPI-generated clients, with no `any`.
- Run agent-assisted Playwright end-to-end passes: fill, submit, review, approve, pay, generated PDF.

Automated Border Control platform

2024-03 – 2026-07

Full-Stack Developer · Border control · government

Back-office and service layer for automated border-control gates: a management console, the .NET services behind it, reporting and data jobs.

- Built the central management console (Next.js, MUI) and its ASP.NET Core API, my main codebases on the platform.
- Wrote the reporting service and scheduled jobs, Airflow DAGs for data work and a ClickHouse store for analytics.
- Worked across the event-driven side as well: a Kafka consumer service, SignalR real-time updates and Redis caching.
- Built desktop diagnostic tools: OpenCV analysis of passport data-page read failures and a Tesseract OCR scanner.
- Structured logging with Serilog into Elasticsearch, tracing with Elastic APM, sign-in through FusionAuth (OIDC).

Company website, admin console and API

2024-07 – 2025-06

Full-Stack Developer · Corporate web

A public website, the admin console that manages it and the Node API behind both.

- Next.js and HeroUI front ends with i18n, built on a shared starter kit.
- Express API with Prisma and TSOA-generated OpenAPI, FusionAuth sign-in, Redis, MinIO storage and Socket.IO.

PROJECTS

Agent tooling for my own workflow

2026-05 – now

Skills, hooks and guardrails that make coding agents follow the way I actually work.

Claude Code (skills, hooks), Python, Git, Playwright

TCG Simulator

2026-11 – now

A trading-card-game simulator in the browser, with bots that play it and a test suite that keeps the rules honest.

TypeScript, Astro, Svelte, Vitest, Playwright

Godot 4 game prototypes

2026-06 – 2026-07

Two tactical game prototypes in Godot 4, built with headless test gates so changes can be checked without opening the editor.

Godot 4, GDScript

topthammanun.com v1

2023-09 – 2024-09

My first personal site: a Notion-style block editor on Tiptap with slash commands, i18n and PWA support.

TypeScript, Next.js, React, HeroUI, Tailwind CSS, Tiptap, Redux Toolkit, TanStack Query

SKILLS

Languages	C#, TypeScript, JavaScript, SQL, Python, GDScript
Frontend	Next.js, React, MUI, HeroUI, Tailwind CSS, Redux Toolkit, TanStack Query, React Hook Form, Tiptap, Astro, Svelte
Backend	ASP.NET Core (.NET 8), EF Core, NestJS, MikroORM, Express, Prisma, SignalR, Socket.IO
Data & messaging	PostgreSQL, Redis, Elasticsearch, ClickHouse, MinIO (S3), Apache Kafka, Apache Airflow
Auth, ops & observability	FusionAuth, OAuth 2.0 / OIDC, Docker, Serilog, Elastic APM, OpenTelemetry, OpenAPI / Swagger
Testing	Jest, Vitest, Playwright
Specialised	OpenCV, Tesseract OCR, face-api.js, react-pdf
Tooling	Claude Code (skills, hooks), Git, Godot 4

LANGUAGES

Thai (Native) · English (Working proficiency)