

TECHNICAL SKILLS

- **Frontend:** Angular, NgRx, NX Monorepo, Capacitor, Ionic, React, React Native, Next.js, Swift, Kotlin ,Flutter, PHP
- **Backend:** Node.js, Deno, Java Spring Boot ,Nest.js, Laravel
- **Cloud:** Supabase, Firebase, Alibaba, AWS
- **Databases:** PostgreSQL, PostGIS, GraphQL
- **Other:** GIS, Computer Vision, Machine Learning, IoT, System Integration
- **Languages:** Thai(native), English(professional)

WORK EXPERIENCE

for personal project please visit my [website](#) and [github](#)

Fullstack Developer

May 2025 (Delivered)

Outsourced

- **Built Land Parcel Scraper & GeoJSON Extractor** – an automated system that scrapes and structures Thai land parcel boundary data with enriched metadata (e.g., parcel numbers, estimated prices, document-based land sizes, and detailed descriptions)
- Engineered a pipeline integrating spatial scraping, GIS data normalization, and PostGIS storage to support advanced real estate analytics and geospatial decision-making.
- Developed a **PHP** web interface to visualize and manage extracted land data with interactive mapping tools ([Demo](#)).

Mobile App Developer

Mar 2025 - Present

Outsourced

- Built cross-platform apps for clients with GPS, RFID, QR/barcode scanning capabilities.
- **Palm Seed Tracker (Angular + Capacitor + Supabase)** – Agricultural lifecycle tracker for palm seeds using:
 - QR & USB barcode scanning
 - RFID tagging
 - GPS tracking
- Designed and developing a comprehensive tutor app (**Flutter**), enabling users to sign up, access educational videos, track learning time, and manage payments for tutor services.

Frontend Developer

Dec 2024 - Mar 2025

W. Ronnapum Co., Ltd.

- Developed a smart streetlight control system for Thai government municipalities (**Angular, GIS, IoT, Data Visualization**, Nest.js)
- Built data visualization dashboards for power usage
- Implemented secure government-grade authentication/authorization protocols
- Led frontend team during an ISO 29110 evaluation, achieving a perfect score (100/100)

Head of Engineering

Mar 2024 - Mar 2025

Henrik Bolte Company Limited

- Developed 6 cross-platform mobile apps (**Angular, Capacitor, Node.js , Supabase, Kotlin, Swift**)
- **DOODIN** (Thailand) – Real estate mapping app with GIS, AI listings, and admin web panel.
 - [Android](#) | [iOS](#) | [Demo](#) | Admin Panel
- **Donald Service** (Sweden) – Locker-based laundry/dry cleaning app.
 - [Android](#) | [iOS](#)
- **SP Sports** (USA) – Coach/athlete collaboration tool.
 - [Android](#) | [iOS](#)
- **Collectorbase** (Europe) – Connects art collectors with museums.
 - [Android](#) | [iOS](#)
- **Metall Glas De** (Germany) – Internal sales & order tracking app.
- Deployed secure GIS servers on Alibaba ECS Cloud
- Managed daily standups in English with distributed teams.

Software Engineer

Dec 2023 - Mar 2024

W. Ronnapum Co., Ltd.

- Created a traffic camera control system with real-time computer vision analytics (**Angular, Computer Vision, Data Visualization**)
- Optimized ML detection models for scalability and real-time performance Ensured system integration with backend teams and met ISO 29110 standards for Thai municipalities

Full-Stack Web Developer (React.js | Next.js)

Feb 2023 - Dec 2023

Self-Employed

EDUCATION

CONTACT

Bachelor of Computer Engineering	Aug 2019 - Oct 2024	Address: Songkhla, Thailand 90000
Prince of Songkla Unisrty		Phone: 098-670-7870
<ul style="list-style-type: none">• Thesis 1: Machine Learning-Based Traffic Camera System for Traffic Analysis• Thesis 2: Optimized Approach for Finding the Largest Inscribed Rectangle in a Polygon		Email: howl@kornchanok.dev
		Github: https://github.com/HKornchanok/