

PHUWARIN KANOKPORNPAIBOON

FULL STACK DEVELOPER · SYSTEM DESIGNER

CONTACT

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SKILLS

System Design

Requirement analysis, System & technical specification, System flow design, Data modeling (ER diagrams), Database schema design, Backend architecture, Data architecture

Frontend

React.js, Next.js, React Native, Nuxt.js, Vue.js, HTML5, CSS3, Tailwind CSS, JavaScript (ES6+), TypeScript

LANGUAGES

Thai: Native
English: B1



PROFILE

Full Stack Developer with 6+ years of experience building web and mobile applications using React, Next.js, React Native, Node.js, and NestJS. Experienced in end-to-end software development, from requirement analysis and system design to database architecture, backend development, frontend development, and deployment. Hands-on experience designing systems from scratch and translating business requirements into scalable technical solutions across marketplace, manufacturing, energy monitoring, and utility monitoring domains.



WORK EXPERIENCE

Zimple Media Co., Ltd.

May 2021 - Present

Full Stack Developer

- Optimized frontend performance and improved page load speed through efficient state management and API integration.
- Collaborated with cross-functional teams to deliver scalable and maintainable applications.

Renthub Web Platform

Zimple Media

- Built a rental marketplace platform allowing users to discover accommodations with advanced filters such as price range, location zones, and custom conditions.
- Implemented marketplace backend services with Node.js and Fastify, exposed through a GraphQL API.
- Integrated frontend with GraphQL APIs for efficient data fetching.
- Implemented responsive user interfaces for seamless cross-device experience.

Next.js / Node.js / Fastify / GraphQL

SKILLS CONTINUED

Backend

Node.js, NestJS, Fastify, Express, GraphQL (API design & integration), REST API design

Database & Data

PostgreSQL, MySQL, Sequelize, InfluxDB, Redis, Elasticsearch, Supabase (Realtime, Auth, Database)

Tools & DevOps

Docker, Git, Firebase, Jest, Cypress

EDUCATION

Bachelor of Engineering (Computer Engineering)

Dhurakij Pundit University
2016 - 2019

Science – Mathematics

Nawaminthrachinuthit
Suankularb Wittayalai
2013 - 2015



WORK EXPERIENCE

Zimple Media Co., Ltd.

May 2021 - Present

Full Stack Developer (continued)

Renthub Mobile Application

Zimple Media

- Built a cross-platform mobile application using React Native.
- Implemented real-time chat between users and property managers.
- Delivered consistent functionality with the web platform.

React Native / GraphQL

Renthub Dashboard

Zimple Media · admin and owner panel

- Built a web-based dashboard for property owners to create and edit rental listings and track listing performance.
- Implemented user interfaces to support content management workflows.

Next.js / GraphQL

RentOS

Zimple Media · in development

- Currently developing a system for managing dormitories.
- Integrated LINE LIFF for residents to view room expenses.
- Integrated LINE LIFF for dormitory owners to record water and electricity meter readings and manage buildings.
- Built a Next.js management panel for rooms and billing, supporting prorated monthly rent and daily rental pricing.

Next.js / LINE LIFF

Super Products Co., Ltd

Jan 2020 - Apr 2021

Full Stack Developer

- Developed web applications using Nuxt.js and Node.js.
- Built responsive UI and backend services for internal business systems.
- Improved code maintainability by applying clean architecture and modular design principles.

INTERNSHIPS

Enter Co., Ltd. · 2019

(Curriculum-required internship)

- Developed a human resource management web application with Laravel and Vue.js.

STelligence Co., Ltd. · 2018

(Voluntary internship)

- Set up servers and a Galera Cluster on Linux CentOS 7, and developed Tableau dashboards.

NECTEC · 2017

(Voluntary internship)

- Developed Android applications with Android Studio, and worked with SQL.



FREELANCE PROJECTS

Water Distribution Performance Monitoring

Oct 2025 - Feb 2026

Universal Utilities · freelance software developer

- Analyzed performance limitations of the existing Node-RED, MySQL, and Tableau-based reporting system.
- Redesigned the data and reporting architecture to address performance limitations and support time-series sensor data.
- Defined the InfluxDB data model, storage structure, and query and processing workflows for analytics and reporting.
- Built NestJS backend services and a web-based reporting system for monitoring and analyzing water distribution performance, replacing the previous Tableau-based workflow.
- Consumed sensor time-series data stored in InfluxDB for analytics and reporting; the MQTT ingestion pipeline was implemented by another team.

NestJS / InfluxDB

FacOEE

Jun 2024 - Apr 2025

Artron Innovative · freelance software developer / system designer

- Translated manufacturing requirements into system specifications and application workflows for a new system built from scratch.
- Defined master data structures, database schemas, and ER diagrams connecting production lines, machines, and production plans.
- Modeled shared machines across multiple production lines and production planning for individual lines.
- Structured production output data in InfluxDB and retrieved and processed it for OEE (Overall Equipment Effectiveness) calculations.
- Defined business logic for OEE analysis at production-plan, production-line, and overall levels, and built backend services using NestJS.

NestJS / InfluxDB

Energy Monitoring Systems

2023

NSTDA · freelance backend developer

- Built two energy monitoring backend systems from scratch using Node.js and Express.
- Gathered and analyzed client requirements, translating them into system and technical specifications.
- Defined system flows, data models, database structures, and backend architecture.
- Queried and processed time-series electricity consumption data from InfluxDB for building-level and overall energy analysis.

Node.js / Express / InfluxDB