Thanason Boonmark

Full-Stack Developer · Available full-time from 2027

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PROFILE

Full-stack developer studying Digital Science and Technology at Mahidol University. I built MES (Manufacturing Execution System), MRP (Material Requirements Planning) and WMS (Warehouse Management System) for a manufacturing technology company, and a health web app with 33 users for a university research program. I build end to end, from UI and API to database, deployment and automated tests, and I enjoy turning messy real-world workflows into screens people can actually use. Ready to start full-time work in 2027.

WORK EXPERIENCE

Software Engineer Intern

Jun 2026 – Oct 2026

Synergy Technology Co., Ltd. (Syntech), Pathum Thani · ITDS397 internship followed by co-op (CWIE)

MES (Manufacturing Execution System) — Full-stack Developer

- Led the frontend for production planning, quality control and traceability.
- Made the screens work on mobile, and helped with the API and Docker deployment.

Stack: React, Next.js, TypeScript, Ant Design, Docker

MRP (Material Requirements Planning) — Frontend Developer

- Improved the material-planning and purchase-order screens so they are easier and smoother to use.

Stack: React, Next.js, TypeScript, Ant Design

WMS (Warehouse Management System) — Frontend Developer

- Built the warehouse screens and an executive dashboard (Recharts), and fixed parts of the business logic.

Stack: React, Next.js, TypeScript, Ant Design, Recharts

depa App — Frontend Developer

- A product the company sells to clients together with its IoT devices. Built several modules for farmers, including map views (Leaflet), with unit and end-to-end tests (Vitest, Playwright).

Stack: React, Next.js, TypeScript, Ant Design, Leaflet, Vitest, Playwright

Also used across these systems: Tailwind CSS, Radix UI, FastAPI, Node.js, PostgreSQL

Frontend Developer Intern

Jun 2025 – Aug 2025

Ministry of Public Health, Thailand

- Built and maintained the Asset Management web app with Next.js and Tailwind CSS.
- Integrated RESTful APIs for authentication and data fetching.
- Worked with the backend and UX/UI teams on requirements gathering and testing.

Stack: Next.js, Tailwind CSS, REST API

PROJECTS

LDL Program — Full-stack Developer

Aug 2026 – Nov 2026

- Web app for a 20-week research program that helps staff at Mahidol University, Amnat Charoen Campus, lower LDL cholesterol, weight and belly fat by changing how they eat.
- Meal and weight logging, calorie tracking, TDEE/BMI calculation, the 2:1:1 plate method and an AI nutrition assistant.
- 33 users so far: 26 log their meals regularly and 5 have already lost weight.
- Worked with the research team to shape the system around how campus staff actually eat and track food.

Stack: Next.js, Gemini AI, Google Sheets, Vercel · ldl-opal.vercel.app

DentaBridge — Full-stack Developer 2026

- Individual project: B2B marketplace for dental supplies opened through LINE LIFF, with sign-in by professional license number and Thai FDA registration checks.
- Built as a working demo for a real pitch (no longer in development).

Stack: Next.js, Supabase, LINE LIFF, OCR

Rescue Case Management (Poh Teck Tung) — Scrum Master 2026

- Team project: web app for reporting and tracking rescue cases, from intake, vehicle dispatch and arrival on scene to hospital handover and case closure, with a map and an incident log.
- Ran the team's Scrum process as Scrum Master.

Stack: HTML/CSS/JS, Node.js, Express, OpenStreetMap

THAIU Student Portal — UX/UI Designer 2026

- Designed a student portal in Figma on my own: login, dashboard, course registration, timetable planning, grades and activity tracking (15+ screens).

Stack: Figma, UX flow, UI design, prototyping

MorningMores Ticket Reservation — Frontend Developer 2025

- Team project: online booking for concerts and events with browsing, search, booking, cancellation and event creation.
- Built by a team working DevOps-style and deployed with Docker.

Stack: Nuxt, Spring Boot, MySQL, Docker

Help You to MU Health — UX/UI Designer and Frontend/Mobile Developer 2025

- Team project (ITDS283): mobile health app for Mahidol students, built with Flutter.

Stack: Flutter, Dart

Postal Service System (Team Kilburn) 2024

- Team project (ITDS262): analysis and design of a postal service system with use cases, data flow diagrams, functional decomposition and a Java prototype.

Stack: SA&D, UML, DFD, Java

EDUCATION

Mahidol University 2023 – Present

B.Sc. in Digital Science and Technology, Faculty of Information and Communication Technology

Key courses: Data Structures, Database Management Systems, Web Development, Software Engineering, Data Science, Machine Learning, Cloud Computing Systems and Applications, Practical DevOps and Applications

Ayutthaya Wittayalai School 2020 – 2022

Science–Mathematics program

SKILLS

Frontend	React, Next.js, TypeScript, JavaScript, Tailwind CSS, Ant Design, HTML/CSS, responsive design
Backend & databases	Node.js, Express, REST API, PostgreSQL, MySQL, Supabase
Testing & DevOps	Vitest, Playwright, Docker, Git/GitHub, Vercel
Data	Python, Pandas, NumPy, Matplotlib, Seaborn, SQL
Design	Figma, UX/UI, prototyping
Soft skills	Teamwork, communication, fast learner, problem solving
Languages	Thai (native), English (intermediate)