

Ratchanon Noknoy

Health Tech Developer

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Summary

Solo developer at a community hospital responsible for developing and maintaining HOSxP SQL queries and healthcare applications using Next.js after graduation.

Skills

- **Domain:** Healthcare Information Systems (HOSxP), OPD workflows (vn_stat), healthcare coverage types
- **Technical Skills:** Next.js (React framework), SQL, REST APIs, Git

Work Experience

Computer Technical Officer, Kamphaeng Phet Municipal Community Hospital

Mar 2025 – Sep 2025

7-month fixed-term contract

- Reduced HOSxP training costs by approximately 50% through self-learned SQL query development.
- Optimized 6 SQL queries for data extraction from the HOSxP database (1,000,000+ records, 50+ tables).
- Designed, developed, and deployed 6 zero-cost applications using Next.js based on nurses' requirements.
- Managed source code using GitLab for version control, branching, and merging.

Programmer, Kosamphi Nakhon Hospital

Jun 2024 – Sep 2024

4-month cooperative education internship

- Refactored a PHP web app to improve reusable components and Bootstrap layout across 22 modules.
- Assisted in deploying a room booking database on a server, including setup and configuration.

Selected Projects

Hospital LINE Official Account

- Built a Flex Message chatbot to make health information easily accessible to the public.
- Engineered a zero-cost LINE chatbot with intuitive UI, eliminating the need for user training.
- **Live Demo:** <https://sites.google.com/view/hospital-line-gateway>

Education

B.Sc. in Software Engineering

Graduated: Oct 2024

Mae Fah Luang University

- Relevant Coursework: Enterprise Application Development (A), Software Project Management (A)