

# Ratchanon Noknoy

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## SUMMARY

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Software Engineer experienced in healthcare, working with nurses and staff to deliver production-ready Next.js apps in 30 days and optimizing legacy SQL databases by 96%.

## EDUCATION

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**Mae Fah Luang University**, Chiang Rai, Thailand

2017 - 2024

B.S. in Software Engineering (English Medium of Instruction)

- **Academic Growth:** GPA improved from 2.50 (Year 1) to 3.50 (Year 4), peaked at 3.87 in Year 3.
- **Project Experience:** MFU MDL Project (2020) – Gained technical teamwork and user engagement experience in a digital learning initiative

## PROFESSIONAL EXPERIENCE

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**Kamphaeng Phet Municipality Hospital**, Thailand

Mar 2025 – Sep 2025

Computer Technical Officer (Contract)

Tech: SQL, Next.js

- Sole engineer optimizing a legacy SQL database, rapidly mastering its structure and designing complex JOINS, cutting retrieval time by 96% (24h → <1h) for 400K+ records.
- Reverse-engineered complex legacy schemas to create structured datasets, rapidly learning data structures and improving accessibility and usability.
- Built a production-ready Next.js app in 30 days independently, learning the framework from documentation to deployment; now actively used by the municipality.
- Processed and cleaned 10K+ patient records, quickly mastering data handling and cutting manual workload by 80%.
- Worked closely with nurses and frontline staff, rapidly implementing solutions and improving real-world OPD workflows.

**Kosamphi Nakhon Hospital**, Thailand

May 2024 – Sep 2024

Programmer (Software Engineer Intern / Co-op)

- Sole engineer fixing legacy PHP systems, restoring full production stability independently.
- Developed a web frontend for ITA 2024, improving internal workflow efficiency and usability.
- Deployed and configured MySQL, enabling real-time scheduling on legacy infrastructure.
- Delivered rapid solutions under tight deadlines, coordinating with multiple teams to ensure stable production releases and meet fiscal-year requirements.

## SKILLS & OTHER

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**Skills:** Databases (SQL/MySQL), ETL Pipelines, RESTful APIs, Frontend Development (Next.js), Version Control, Deployment, Legacy System Modernization

**Leadership:** End-to-end ownership across 6 projects, from requirements to deployment

**Projects:** Sole engineer for a production-ready Next.js app and legacy SQL database optimization for OPD