



WATCHARAPHON PHUTHONGTHA

Junior Full-stack Developer | Cooperative Education Student



Kalasin, Thailand



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EDUCATION

Bachelor of Information Technology

Rajabhat Maha Sarakhkam University
Faculty of Science and Technology
Major: Information Technology
GPA: 3.82 / 4.00



TECHNICAL SKILLS

Frontend

- HTML, CSS JavaScript, TypeScript, React, Next.js, Tailwind CSS, Bootstrap, Responsive Design, Axios,

Backend

- Node.js Bun Runtime, Express.js, Java Springboot, RESTful API, JWT Authentiaction, Prisma ORM

Database

- PostgreSQL, MYSQL

Tools

- VS Code, Cursor, GitHub, Postman, pgAdmin, DBeaver, XAMPP, Figma, Docker

Deployment

- Vercel, Render

Documentation

- Microsoft Word
- Excel
- Power Point
- Google Docs
- Google Sheets



Languages

- Thai: Native
- English: Basic



Personal Strengths

- Responsible
- Teamwork
- Communication
- Detail-oriented
- Problem-solving
- Willing to Learn New Technologies



OBJECTIVE FOR COOPERATIVE EDUCATION TRAINING

I am highly motivated to participate in cooperative education training to improve my skills in full-stack website and web application development. I aim to develop my abilities in front-end design, back-end development, database integration, and real-world system deployment. Through practical work experience, I hope to enhance my technical skills, improve my capabilities, and prepare myself for a professional career in web development.



PROJECT EXPERIENCE

QR Code-Based Satisfaction Assessment System for Internal Service Units

Full Project Name: Development of a QR Code-Based Satisfaction Assessment System for Internal Service Units at Rajabhat Maha Sarakhkam University

Role: Full-stack Developer — Solo Project

Period: August 2025 – Present

Tech Stack: Next.js 16, React 19, TypeScript, Tailwind CSS, Bun, Elysia, PostgreSQL, JWT, bcrypt, Recharts, Docker

Developed a full-stack web application for collecting and managing satisfaction assessment responses from internal service units at Rajabhat Maha Sarakhkam University using QR Code technology. The system is used by 26 internal departments and supports multiple user roles, dashboards, ranking, comments, reports, and export features.

Key Responsibilities

- Designed and developed the full-stack web application as a solo project.
- Built REST APIs for managing users, departments, surveys, questions, responses, time slots, and QR Codes.
- Implemented JWT authentication, bcrypt password hashing, and role-based access control for Admin, Executive, Department Head, Staff, and respondents.
- Developed department-based QR Code survey access for students, staff, and general users.
- Created dashboards, charts, department ranking, comment summaries, and report filters by year, month, week, day, and respondent group.
- Wrote PostgreSQL raw SQL queries for data aggregation, reporting, and dashboard statistics.
- Implemented Excel export and print/PDF-ready report views for real-world usage.
- Developed user registration approval workflow and OTP-based password reset via email.



TRAINING / CERTIFICATES

- National Occupational Standard Assessment (Level 3 - Software Developer)
- Robotics Training Assistant Instructor
- Bun & ElysiaJs Workshop
- Next.js Workshop
- Java Spring Boot Workshop