

WATTANAI YODCHAN

88/2 Village No. 2, Ban Mai Subdistrict, Pak Kret District Nonthaburi Province |
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SUMMARY

Junior Developer with strong fundamentals in backend development, frontend integration, and database management. Experienced with Node.js, Express.js, Next.js, and MongoDB, alongside a solid background in PLC programming and robotics through academic and internship projects. Recognized for high academic performance (GPA 3.74) and the ability to learn new technologies quickly, solve problems effectively, and collaborate in team environments.

WORK EXPERIENCE

To-Do List Web Application

present 2025

- Built a full-stack To-Do List app using Next.js (frontend) and Express.js (Node.js) (backend)
- Implemented REST API for CRUD operations and integrated MongoDB for storage
- Designed a responsive UI and deployed frontend on Vercel

Thesis Project: KUKA Control via Application

Jan 2025 - Apr 2025

- Developed an application to control **KUKA robot** via integrated PLC programming
- Designed communication between robot and PLC using **bit-level data conversion**
- Enhanced robot motion control to achieve seamless integration and automation

INTERNSHIP

DNA Robotic | Internship

Jun 2024 – Dec 2024

- Assisted in developing and maintaining PLC programs to control robotic systems.
- Collaborated with the team to enhance application features for robot motion control and automation.
- Gained hands-on experience in industrial automation, control systems, and problem-solving in real-world projects.

EDUCATION

Bangkok University

2021 - 2024

Bachelor of Engineering
Computer and Robotics Engineering
GPA : 3.74

Phraharuthai Nonthaburi School

2019 - 2021

High School
Art - Math

ADDITIONAL INFORMATION

- Programming:** Java, JavaScript, C, C#, Python
- Back-End:** Node.js, Express.js, REST API, Authentication
- Front-End:** React, Next.js, HTML, CSS
- Database:** MongoDB, PostgreSQL
- Tools:** Git, Vercel, Postman, PLC Programming, Photoshop
- Certifications:** Cloud Security Fundamentals, Cybersecurity Foundation