

# WARODOM PHUMPRASERT



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## ABOUT ME

I'm a developer who enjoys creating things and learning new technologies. I like both coding and working with hardware. I've worked with Python, Django, React.js, Arduino (C/C++), and Raspberry Pi as a server. I'm also familiar with Docker, MQTT, AWS, and Google Maps API. I enjoy solving problems and always try to learn and grow from every project.

## SKILLS

Python	Docker	Postman
Django REST Framework	Raspberry Pi 5 (Linux Server)	AWS Cloud (EC2)
MQTT	OSRM (open source routing machine)	Google Maps API ( GCP )
MySQL	Git , GitHub	React.js + Tailwind
ESP32 , Arduino (C/C++)	Android Studio (JAVA)	Cloudflare Tunnel

## PROJECTS EXPERIENCE

### Cold Chain Logistics System

Aug 2024 - Mar 2025

**Collaborated with:** Butterfly Organic Co., Ltd. (Butterfly Hub)

- Developed an IoT-based Cold Chain System to optimize delivery routes using K-Means Clustering and Dynamic Programming, integrated with OSRM Distance Matrix.
- Monitored temperature and GPS data via ESP32 sensors, sending data to a Django backend via MQTT, and displaying it in real-time on a React dashboard.
- Designed for cost-efficient, temperature-sensitive logistics operations.

### Air Shower Cleanroom Automation

Dec 2023 - Mar 2024

**Collaborated with:** Greendii Co., Ltd.

- Programmed a **PLC + HMI** system to automate cleanroom air shower operations.
- Designed and developed an intuitive **HMI** interface for real-time monitoring and control.
- Focused on improving system reliability and operational efficiency in a controlled environment.

## WORK EXPERIENCE

### Kiosk Service System : Internship

Apr 2024 – Jun 2024

**Company:** FMT Corporation Co., Ltd. **Department:** R&D – Android Kiosk

- Developed a kiosk payment system using Java and Android Studio, integrating hardware modules (ICT PS3, bill/coin acceptors and changers) with real-time communication. Gained experience in hardware-software integration and serial communication.

## EDUCATION

### Bachelor of Engineering in Telecommunication

2021 - 2025

King mongkut's institute of technology ladkrabang (KMITL)

- GPA : 3.21

## ADDITIONAL INFORMATION

- **Languages:** Thai (native), English (intermediate)
- **Age:** 23 (Born May 18, 2002)