PHANUWAT WONGWORRAKULKIT

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PROFILE

I have hands-on experience in developing web applications using the Django framework, including deploying them on cloud platforms AWS. I'm passionate about creating web applications that address users' needs and improve their daily experiences. I believe that truly understanding the user's problem is key to building effective solutions. That's why I enjoy exploring, learning, and gathering insights to gain a deep understanding of what users really want. I'm also eager to continuously learn new technologies and sharpen my skills in order to deliver the best possible experience for users.

EDUCATION

2021 - 2025   **Bachelor of Engineering (Computer Engineering)**   **Chiang Mai University**

Bachelor of Engineering Program in Computer Engineering
- Core Module: Software Engineering, Fundamentals of Database Systems, Object-Oriented Programming, Algorithms for Computer Engineers, Data Structures for Computer Engineers

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WORK EXPERIENCE

APR-OCT2024   **Mitsubishi electric Consumer Products co. ltd(MCP)**   **Thailand**

Web developer(Intern) - QA department

- Collaborated with the QA department to digitize and improve the certificates-regulations monitoring process, which was previously handled manually using Excel and email.
- Designed and developed a web application using Django Framework with a relational database to manage certificates-regulations data efficiently.
- Implemented an automated email notification system to alert relevant departments about certificates-regulations expirations, reducing manual work and minimizing risks of missed renewals.
- Improved data accessibility and tracking by integrating user-friendly interfaces and role-based access control.
- Technology used: Django, MySQL, HTML/CSS/JS, Bootstrap, SMTP

PROJECTS

Elevview—Application Platform For Customer Engagement using IoT (Nov 2024 – Mar 2025)

A web application designed to enhance the tourism experience by allowing users to remotely capture photos of themselves from scenic, elevated viewpoints — perfect for solo travelers or those wanting the best angle of the landscape.
The system connects a web interface with an IoT camera positioned in a highlight spot. After accessing the app via QR code, users can command the camera to take their photo. To download the photo, they are asked to complete a short questionnaire, which helps collect demographic and tourism data such as age, gender, and reason for visiting. This project addresses both personal user experience and data collection for tourism analytics.

- **My role: Full-stack developer —** responsible for system architecture, frontend/backend development, database design, and cloud deployment. Managed all core features including user flow, camera control, and photo delivery
- **Technologies**: Django, MySQL, HTML/CSS/JS, MQTT, Raspberry Pi, AWS (S3, EC2,IoT core)
- **Resources**: GitHub | Slide | Report | Poster

QA Information Management System (Intern Project Apr 2024 – Oct 2024)

Web Developer Intern, QA Planning Department – Mitsubishi Electric Consumer Products (Thailand)

Developed a web-based application to support the QA Planning department in managing product certification and compliance data more effectively. The system was designed to replace manual Excel-based workflows and reduce human errors through automation and centralized data management.

Key Features:

- **Database system** for managing certification data, test requirements per region, and new regulations
- **Visualization dashboard** with tables, and filters for easier data analysis
- **Admin interface** with role-based access control and validation rules to prevent inconsistent or duplicate data
- **Automated email notifications** for certificate expiration alerts and upcoming regulatory changes, with customizable notification schedules (daily/weekly/monthly)

My role:

- Database architecture and optimization
- Frontend UI/UX for data display and management
- Backend logic and task scheduling
- Email automation system
- Deployment and documentation

Resources: GitHub | Slide | Report

Technologies: Django, MySQL, HTML/CSS/JS, MQTT, SMTP Email, celery, redis

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ADDITIONAL INFORMATION

- **Technologies/Framework:** Django, AWS, React , Java Spring Boot
- **Coding Languages:** Python, HTML/CSS/JS, SQL, Java, TypeScript , C++
- **Soft skill :** Growth Mindset, Fast Learner, Adaptability, Collaboration, Responsibility, Self-motivated, Perseverance