

PONGSATORN RUENGKASIKORN

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ABOUT ME

Highly motivated and self-taught Full Stack Software Engineer with a Bachelor's degree in Electrical Engineering (Power). Passionate about developing robust, user-friendly web applications. Brings a strong foundation in electronics production and equipment engineering, with proven skills in problem-solving, system optimization, and analytical thinking. Proficient in modern web technologies including JavaScript (React, Node.js, Express.js), Next.js, and database management (MySQL, SQL). Eager to contribute to innovative software solutions through full-stack development expertise.

SKILLS

- Frontend: HTML, CSS, JavaScript (ES6+), React, Next.js, Responsive Design
 - Backend: Node.js, Express.js, RESTful APIs
 - Databases: MySQL, SQL, Database Design
 - Tools & Technologies: Git, GitHub, VS Code, Line Notify API, Arduino, ESP32
 - Concepts: Object-Oriented Programming (OOP), Data Structures, Agile Methodologies
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PROFESSIONAL EXPERIENCE

Equipment Engineer | UTAC Thai Limited, Bangkok, Thailand | 2023 - Present

- Optimized laser marking machines to reduce downtime and improve UPH.
- Managed machine tooling and maintained a PHP-based tooling system.
- Performed preventive maintenance on critical equipment.
- Troubleshoot sensor, sequence, and design issues in automated machines.
- Collaborated with teams to meet customer needs and enhance performance.

Production Engineer | Cal-Comp Electronics, Phetchaburi, Thailand | 2021-2023

- Investigated PCBA quality issues post-SMT, reflow, THT insertion, and wave soldering.
 - Applied analytical skills to identify root causes and implement corrective actions.
 - Gained insight into complex manufacturing workflows, applicable to software development.
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PROJECTS

- **E-commerce Full Stack Application**
Developed a full-stack e-commerce platform with user authentication, product listing, shopping cart, and order processing.
Tech Stack: Node.js, Express.js, Prisma, React, Tailwind CSS, Zustand.
 - **Camping Reservation Platform**
Built a full-stack web app for campsite listings, bookings, user registration, and reviews using a seamless Next.js framework.
Tech Stack: Next.js, Prisma.
 - **Raspberry Pi Monitoring Dashboard**
Created a real-time dashboard to monitor CPU, memory, disk usage, and network activity of a Raspberry Pi device.
Tech Stack: Node.js, Express.js, systeminformation, React, Tailwind CSS.
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EDUCATION

Bachelor of Electrical Engineering (Power Electrical)
Naresuan University, 2018

Graduate Project:

Designed and programmed an automatic sequence control system using Arduino Mega 2560 and ESP32 IoT board, integrating with LINE Notify API for real-time notifications. This project ignited my interest in automated programming and system design.