Chuthamat Buaban

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in https://www.linkedin.com/in/chuthamatdev | ⬡ https://github.com/ChuthamatDev

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SKILLS

Frontend Tool: React.js, Next.js, Tailwind CSS, Axios, MUI, Figma
Backend Tool: Node.js, Express.js, MySQL, RESTful API, JWT
Programming Languages: JavaScript(ES6+),TypeScript, Python, HTML5, CSS3, SQL
Dev Tools & Workflow: Git, GitHub, Bitbucket, Postman, Jenkins, Jira, VScode, Docker, Playwright
Basic: Proficient MS office (Word, Excel, PowerPoint)
Languages: Thai(Native), English(Intermediate)
Soft Skills: Logical Thinking, Self-learning & Curiosity, Effective teamwork and Communication & Collaboration

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EXPERIENCE

Freelance Frontend Developer   E-Budget School (Product-Based Platform)   Mar 2024 — July 2025

Developed and maintained web application features using React.js, JavaScript of deliver client-specified requirements.

- Designed **UI/UX layouts** for a product-based budgeting system, improving feature clarity and reducing user confusion during pilot testing. Planned, designed, and built the Project/Activity Report module, including custom PDF templates for formal documentation.
- Conducted system testing, documented user feedback, and collaborated on iterative improvements to enhance overall usability.

Smart Lightning Management System (SLMS):

Accomplishments:

- Built the **Organization Management** module including (General Information) allowing users to create and manage organizations and improving admin workflow efficiency by **approximately 30%.**
- Designed and implemented an **interactive real-time IoT** chart using **Chart.js**, enabling users to drag, zoom, and view historical trends with configurable min/max Y-axis settings, significantly improving data readability.
- Implemented **multi-email notification settings** in Organization General Information, enabling multiple recipients to receive alerts and improving response coordination.

EDUCATION

Ubon Ratchatani University   **June 2021 — July 2025**

Bachelor of Electrical Engineer | Major: Power and Electronics | Cumulative GPA: 2.78/4.00
Relevant Courses: Embedded Programming, Artificial Intelligence, Software Development using Cloud Technology, Computer Programming, Automation, and Sequence Control System Engineering
Awards & Competitions:
Tesa Top Gun Rally 16 (September 2022):

- Silver Medal — Created and simulated robotic hand models in MATLAB for grasping and releasing objects. Developed kinematic and control algorithms for precise movement and stability. Optimized grip and release functions through iterative testing in a virtual environment.

PROJECT

Portfolio website: chuthamat-portfolio (for additional information and projects)

Development of a Data Analysis, Processing, and Visualization System in Smart Buildings for Efficient Energy Management Using IoT and Artificial Intelligence.
                                                                                         Sept 2024 — May 2025

- Designed and developed a full IoT-based monitoring system integrating temperature, humidity, light sensors, power meters, ESP32, MQTT Broker, PLC, and a cloud server, enabling real-time building energy tracking with high data reliability.
- Implemented a data visualization dashboard for web and mobile platforms using React.js, improving data readability and decision-making efficiency.