



# JIRAMET SUKPANICH

## ENGINEER

### CONTACT INFORMATION



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### PROFESSIONAL SUMMARY

A highly motivated Electrical Engineer with expertise in DC Charger development, PLC programming, and industrial automation. Experienced in hardware assembly, software development, system integration, and on-site commissioning. Strong problem-solving skills in troubleshooting and optimizing power electronics systems, with a focus on reliability, cost reduction, and innovation. Passionate about research and development, continuously improving technical knowledge and mentoring technical teams.

### KEY SKILLS

- Programming & Development: Arduino, LabVIEW, EasyEDA, SolidWorks, PLC, HMI, Pc Work, Autodesk Inventor
- Engineering & Technical Expertise: PLC wiring, Electrical system installation, Machine vision setup, DC Charger Systems
- Software Development: Programming for DC Charger systems
- Dashboard & Monitoring: Developing dashboards using Node-RED for real-time monitoring
- Project Management: Team coordination, Process improvement, Research & development

### LICENSE & CERTIFICATIONS

- Licensed Professional Engineer (Electrical Power), Council of Engineers Thailand - Associate Engineer License No. 70479 Issued : 09/06/2025
- Thai Driver's License (Private Car)

### Languages

THAI	Proficient
ENGLISH	Intermediate



### EDUCATION

- 2012 - 2014  
Benjamachutit Ratchaburi School  
(Junior High School)
- 2013 - 2015  
Ratchaburi Technical College  
(Vocational Certificate in Electronic Technician )
- 2016 - 2023  
King Mongkut's University of Technology North Bangkok  
(Bachelor's Degree in Power Electronics Engineering Technology )



### WORK EXPERIENCE

#### Engineer

- IE Business Solution Co., Ltd. | June 2025 - Present
  - Designed and enhanced a laser-based weed management robot for precision agriculture applications.
  - Developed and customized an industrial workbench for assembly training, simulating a real production line to support teaching for Industrial Engineering students.
  - Co-designed and built a Production Monitoring Demo Program to simulate real-time manufacturing dashboards, including production status, OEE, and downtime tracking.
  - Training and knowledge development for technical teams
  - Coordinated with engineers, students, and management teams to ensure effective project demonstrations and technology transfer.
  - Prepared technical reports, documentation, and training materials to support educational and industrial projects.

#### Assistant Project Development Head

- EGAT Diamond Service Co., Ltd. | Jan 2025 - April 2025
  - Research and development of new DC Charger models
  - Analyzing and troubleshooting existing DC Charger models to enhance reliability
  - Cost reduction initiatives while maintaining product quality
  - Training and knowledge development for technical teams
  - Supervising and managing technical teams to meet operational goals
  - Planning production and maintenance workflows for technical teams
  - Overseeing engineering operations
  - Designing new DC Chargers to improve reliability
  - Developing and updating software to support new vehicle models

#### Electrical Engineer & Software Development

- EGAT Diamond Service Co., Ltd. | Oct 2023 - Dec 2024
  - Sourcing components for DC Chargers
  - Assembling DC Chargers
  - Developing software for DC Chargers
  - Programming HMI interfaces
  - Conducting safety tests to meet industry standards
  - Training in Taiwan for the development of new DC Charger controllers
  - Commissioning DC Chargers
  - Performing Preventive Maintenance (PM) and Corrective Maintenance (CM) to ensure proper functionality