

Location: Nakhon Prathom, Thailand

Employment Type: Full-time

Working Time: Flexible Hours

Monday to Saturday (switching 2 days in each month)

Start Date: July – August

Salary: Depending on experience

- **Junior (0–2 yrs):** 20,000–25,000 THB/month
- **Mid-level (3–4 yrs):** 30,000–40,000 THB/month

Industry: Food Machinery / Robotics / Automation

R&D Software Engineer (C++ & Image Processing)

Key Responsibilities:

- **Software Development:** Design and develop robust applications using C# (.NET) and Python for machine vision, data analysis, and system monitoring.
- **PLC Programming:** Develop, program, and troubleshoot PLC logic for industrial machines, specifically using Mitsubishi (GX Works) and Beckhoff (TwinCAT) platforms.
- **System Integration:** Create seamless communication interfaces between PC-based software and hardware controllers (TCP/IP, Modbus, EtherCAT, etc.).
- **R&D & Prototyping:** Research new technologies and develop prototypes for next-generation automated systems to improve efficiency and performance.
- **Algorithm Development:** Implement logic and algorithms for motion control, sensor integration, and automated decision-making processes.
- **Testing & Commissioning:** Conduct rigorous software testing, debugging, and on-site commissioning to ensure systems meet safety and performance standards.
- **Documentation:** Prepare technical specifications, user manuals, and version control documentation for all developed software and logic.

Qualifications:

- Bachelor's or Master's degree in Computer Engineering, Control and Instrumentation Engineering, Electrical Engineering, or related field
- Minimum 0–5 years of experience in software development for industrial or machine applications
- Thai Nationality, Male 20–30 years old
- Own Vehicle with activated driving license & good driving skill
- Strong proficiency in C#, C++, Python, Ladder Diagram, Structured Text Programming
- Solid experience in Image Processing / Deep Learning, such as:
 - Object detection
 - Measurement and inspection

- Image segmentation or feature extraction
- Experience with vision libraries (e.g. OpenCV or similar) is highly preferred
- Understanding of:
 - Real-time systems
 - Algorithm optimization
 - Data structures and performance tuning
 - PLC programming languages, such as ladder logic, function block, and structured text.
 - Interfacing between PLC to PC.
- Experience integrating software with:
 - Cameras (2D / 3D / industrial cameras)
 - Basic mechanical for adjustment the machine.
 - Knowledge of PLC (Mitsubishi, Beckhoff, Siemens), HMI, industrial networks.
 - Motion control And Automation systems
 - Electrical Design.
- Experience in machine vision for industrial applications (food inspection, portioning, sorting, or quality control) is a strong advantage
- Ability to write clean, structured, and well-documented code
- Strong analytical and problem-solving skills
- Ability to work closely with mechanical and electrical engineers during system development
- Good technical communication skills in English

Benefits:

- Fixed monthly mobile phone expense 1,000 THB, and car allowance 10,000 THB
- Travel allowance both for local trip and aboard trip
- Group Life Insurance cover for Death and Accidental case including to hospitalized expenses (IPD).
- Medical Expenses claimed with the company for OPD (Out-Patient) case.
- Annual leave 10 days/year
- Provident Fund
- Annual Health Check-up
- Company's gathering party and outing trip