



# HO THANH DAT

AUTOMATION ENGINEER

( SALE / PROJECT ENGINEER )

Nothing's Impossible

## About Me



[Redacted phone number]



[Redacted email address]



Le Thanh Tan Tao  
Apartment; Ho Van Long  
street; Tan Tao Ward; Binh  
Tan District

## Objective

- \_ Enhance and continuously update specialized knowledge in the field of automation.
- \_ Develop and refine soft skills, such as communication and management skills, to more effectively support professional work.
- \_ Build strong relationships with colleagues within the company. Continuously improve your skills and maximize your potential to contribute to the company's development.
- \_ Take step by step to achieve the level of team leader, manager, or an important position in the company.

## Education

### HCM University Of Food Industry ( HCM University of Industry and Trade ) ( 2014 - 2019 )

- \_ Engineer of Electrical and Electronic Engineering Technology
- \_ Major: Control and Automation Engineering

## Expertise

- + **PLC programming** for automatic machines; and industrial automatic production lines ( such as: Delta; Mitsubishi; Siemens; Omron; Xinje;...)
- + **HMI design and programming** ( such as: Delta; Mitsubishi; Siemens; Weintek; HNC,...)
- + **Microcontrollers / Microprocessors** programming (Arduino; PIC). Design schematic diagrams on Proteus; CAD for Electronics
- + **Robotics control techniques:** Programming and operating robots according to processes ( Mitsubishi; Yaskawa )
- + **SCADA** systems for supervisory control and data acquisition
- + **Internet Of Things** : Programming, controlling, and remotely monitoring smart home and smart building systems via web or mobile app.
- + **Electrical panel design.**

## Experience

### DONG TAM DOTALIA JOINT STOCK COMPANY ( ELECTRICAL INTERN & ENGINEER ) 06/2019 - 08/2020

#### 06/2019 - 10/2019 ( MAINTENANCE ELECTRICAL INTERN )

- + Maintain, repair, and troubleshoot automation equipment and machinery in the production line.

#### 10/2019 - 08/2020 ( ELECTRICAL ENGINEER )

- \_ Responsible for the automation area in the factory.
  - + Monitor and manage automation equipment and machinery in the production line.. ( Including PLC/HMI programs )
  - + Developing a maintenance schedule.
  - + Other maintenance tasks as assigned.



## Language

English communication

Reading documents in English

## Soft skills

+ Customer Service

+ Project Management

+ Communication /  
Interpersonal skills

+ Creativity

+ Teamwork Skills

+ Presentation skills

## Interests

Sport: Badminton; Football

Listen to music; singing

\_ PLC programming when upgrading or creating new machinery.

+ Programming for the mixing system. ( PLC MITSUBISHI: FX2N; HMI Delta: DOP-B; VFD037B43A,...)

+ Programming and improving the automated brick stacking conveyor system. ( PLC Siemens: S7-1200; Inverter Panasonic; HMI Weintek;... )

+ Designing the control cabinet, selecting equipment, and programming for The Robotic Palletizing ( PLC Siemens S7-300; Servo Schneider; HMI Weintek; Inverter Panasonic,... )

\_ Improving the system according to the factory's requirements.

### **HUNG VUONG TECHNOLOGY VOCATIONAL SCHOOL ( TEACHER IN THE MECHATRONICS DEPARTMENT ) 08/2020 - 06/2022**

\_ Creating teaching plans and lesson plans.

\_ Responsible for teaching specialized courses such as: Robotics control techniques; PLC Programming; Principles of Electronics Engineering; Fundamentals of Electrotechniques; Electrical equipments,...

\_ Research and improve the training model.

+ Autonomous robot for automatic waste collection. ( Arduino + image processing )

+ Automatic handwashing machine. ( Arduino + Sensor )

+ Robot arm for product code classification in an automated warehousing system. ( PLC Delta - HMI Delta - Servo Mitsubishi - cylinder - pneumatic system

### **ETEC AUTOMATION TECHNOLOGY CO., LTD ( SALES AUTOMATION ENGINEER ) 07/2022 - 07/2024**

\_ Searching for and building relationships with customers. Advising on suitable automation solutions and equipment.( DELTA )

\*\* Delta's equipment:

+ Consulting on Delta's equipment. Such as: PLC; HMI; Inverter; Servo; Temperature Controller;...

+ Assisting in selecting equipment that meets customer requirements.

+ Providing support for the transition of automation equipment from other brands to Delta

+ Quotation, request tracking. Conducting market research and formulating sales strategies

+ Technical support for customers.

\*\* Delta's Solutions

+ Consulting and introducing Delta's solutions such as: SCADA; Robot; Energy Management System (EMS); Smart manufacturing management system;...

+ Conducting project surveys as needed, advising on solutions, and selecting suitable equipment. Providing project quotes to customers.

+ Monitoring project progress.



## **\*\* Robotic Solutions**

- \_ Consulting and introducing Robotic's solutions.
  - + SCARA Robot;
  - + 6-axis Articulated Robots
- \_ Surveying the robot placement location.
- \_ Selecting the robot code suitable for the application ( such as: number of axis; Maximum Working Range; Maximum Payload,... )
- \_ Providing a quote.
- \_ Technical support for customers. ( Software; program; settings,... )

## **Part-time job**

### **PLC TOPONE TRAINING CENTER ( PLC TRAINING INSTRUCTOR ) 04/2024 - Present ( After 6:30pm )**

- \_ Responsible for the Mitsubishi PLC programming class (FX3U).
- \_ Programming PLCs to connect with inverters.
- \_ Programming PLCs for servo control.

## **Certifications**

2020 **NATIONAL OCCUPATIONAL SKILLS CERTIFICATE**

2020 **PEDAGOGICAL CERTIFICATE FOR TEACHING AT  
THE COLLEGE LEVEL.**

2021 **BASIC INFORMATION TECHNOLOGY  
APPLICATIONS CERTIFICATE**