Kathy Aung
Software Developer   Web Site: https://ktablog.github.io/

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OBJECTIVE

13+ years experienced in developing software and control systems for factory automation, data monitoring, robotics, and servo applications. Skilled in coding, PLC programming, electrical and control system design, and project management. Result orientated, maintaining high efficiency through strategic planning, corporate cultural harmony, and work life balance.

RELEVANT SKILLS

| C/C# | Java | HTML/CSS | JavaScript | SQL | Hashing Algorithm |

| Microsoft | Linux/Shell | Python | PLC Programming | EPLAN | SolidWorks |

PERSONAL INFORMATION

Date of Birth	16 November 1982
Nationality	Myanmar, Burmese
Marital Status	Single
Height	5' 3"
Language	English / Burmese / Chinese/ Japanese

PROFESSIONAL EXPERIENCE

ASCENDZE PTE LTD, Singapore, SG
Senior Software Development Engineer• Singapore • October 2022 – Present
- Developed Windows Forms Applications for Robotics and Factory Automation Applications by using C# .NET, RoboDK and Python.
- Developed Manufacturing Control Systems for Factory Floor Material Management by using .NET Core Razor Page Web Platform, HTML, CSS, Java Script, C#, and Python.
- SECS-GEM protocol integration for both host and equipment applications.
- Providing guidance and mentorship for associate engineers and intern students.

ENGLISH LANGUAGE TEACHER (SELF EMPLOYED)
Self Employed • Yangon • January 2021 – September 2022
- Teaching basic and intermediate level English language course to primary and high school students.
- Crafting a suitable curriculum for local students.
- Overseeing students' improvements by conducting exams and tests.

ANGEL PLAYING CARDS, Singapore, SG

Manager (Technology Division), November 2019–January 2021

- Identified procedural areas of improvement through customer data using SQL to help improve the accuracy and performance of monitoring and instant calculation of the surveillance algorithm.
- Created forms and apps using Java for R&D and designed data base schema for related APIs.
- Added enhanced security features for Login page of the server web application which include password hashing, password manager for each user and options.

YAC SYSTEM, Singapore, SG

Software and Control Engineer, December 2018–September 2019

- Developed control systems and HMIs by writing codes in various PLC platforms, C++, and C#.
- Performed wireless handshaking with AGVs (Automated Guided Vehicles) and integration among robots, servo motors, AGVs and core production line to achieve effective operation with reliable safety measures.

CASEM (ASIA), Singapore, SG

Software and Control Engineer, May 2013–November 2018

- Managed the overall system and design of factory automation processes, machines, and production lines to be able to deliver with accepted criteria.
- Developed control systems and HMIs by writing codes in various PLC platforms, C++, and C#.
- Performed wireless handshaking with AGVs (Automated Guided Vehicles) and integration among robots, servo motors, AGVs and core production line to achieve effective operation with reliable safety measures.
- Executed machine capacity upgrading by reducing stoppages, software bugs and increasing cycle time to meet the required MTBF.
- Conducted project yield analysis for high quality international standard products to minimize rejects.
- Prepared machine operation manual for production managers, supervisors, and operators to operate, troubleshoot and maintain the production line conveniently.
- Managed electrical components and hardware selection and purchasing to meet project deadlines within acceptable budgets.

PANASONIC INDUSTRIAL DEVICE, Singapore, SG

Electrical Design Engineer, January 2013–May 2013

- Designed automated machines to form micro-electronic devices and managed to meet tight delivery schedules.
- Developed control systems and GUI by writing codes in Mitsubishi PLC and HMIs.
- Prepared machine operation manual for production managers, supervisors, and operators to operate, troubleshoot and maintain the production line conveniently.
- Managed electrical components and hardware selection and purchasing to meet project deadlines within acceptable budgets.

FUJICON ENGINEERING, Singapore, SG

Systems Programmer, April 2011–January 2013

- Designed automated machines for various manufacturers and managed to meet tight delivery schedules.

- Developed control systems and GUI by writing codes In RSLogix5000, Keyence PLC, Mitsubishi PLC, and HMIs.

- Prepared machine operation manual for production managers, supervisors, and operators to operate, troubleshoot and maintain the production line conveniently.

- Managed electrical components and hardware selection and purchasing to meet project deadlines within acceptable budgets.

PODOYO PLASTICS INDUSTRIES, Malaysia, MY

Technical Specialist, September 2009–February 2011

- Assisted Process Engineer to minimize downtime, maximize yield and output within HP quality criteria.

- Monitored and reported machine status, production outputs and yields.

- Troubleshooted machine faults including precise adjustments.

- Performed weekly and monthly preventive maintenance and installed new components if necessary.

- Provided training for new Technical Specialists and maintained proper housekeeping (5S) & strategic tools arrangement to meet safety measures for the manufacturing line.

TSM CONSULTANCY, Singapore, SG

Assistant Engineer, August 2008–March 2009

- Drafted traffic layout plans and prepared reports for traffic impact assessments, road safety reviews, traffic management planning, traffic survey and analysis.

- Conducted traffic surveys and performed data entry for PE to make the judgements.

EDUCATION

UNIVERSITY OF NOTTINGHAM, Nottingham, UK

Master of Business Administration, Social Science, Business, July 2019
MBA (General), Passed with Merit

YANGON TECHNOLOGICAL UNIVERSITY, Yangon, MM

Bachelor of Engineering, Electrical Power, December 2006
(GPA: 4.7/5.0)

PROFESSIONAL CERTIFICATES

HARVARD_X CS50B, HARVARD UNIVERSITY

CS50's Computer Science for Business Professionals, Computer Science, August 2022

HARVARD_X CS50T, HARVARD UNIVERSITY

CS50's Understanding Technology, Computer Science, July 2022

NANYANG TECHNOLOGICAL UNIVERSITY, Singapore, SG

Developing Object-Oriented Applications in C++, Computer Science, April 2016

Goldman Sachs

Engineering Virtual Program, FinTech Engineering, June 2022

CISCO NETWORKING ACADEMY

NDG Linux Unhatched Jul 2022

LINKEDIN LEARNING

Become a Software Developer, Computer Science, June 2022

ORACLE UNIVERSITY

Java Explorer, Computer Science, July 2022

UNIVERSITY OF LEEDS

Communication and People Skills at Work, May 2022

ACCENTURE

Digital Skills: Artificial Intelligence, May 2022

EPLAN

EPLAN Electrical P8 2.7 Basic Training, January 2018

SEACAD

SolidWorks Electrical 2D Training, June 2019

HoST

L1 Rockwell Automation Basic System Integrator Training, January 2017

LKH

OMRON Sysmac Studio Training, June 2017

HARVARD_X CS50P, HARVARD UNIVERSITY

CS50's Introduction to Programming with Python, Computer Science, Learning in Progress

HARVARD_X CS50X, HARVARD UNIVERSITY

CS50's Introduction to Computer Science, Computer Science, Learning in Progress

PERSONAL TRAITS

❖ Able to understand the analogy between engineering, social, mathematics and economics.

❖ Initiative-taking, Independent & Sociable.

❖ Good Collaborator with Cheerful Outlook.

❖ Quick Leaner.

❖ Able to code variety of programming languages.

FURTHER INFORMATION

Availability	Immediate
Reason for leaving	Career Progression
Expected Salary	Negotiable

I do certify that above statements are true and correct for the best of my knowledge.