

KATHY AUNG

Data Analyst, Financial Analyst

Block 690B, Choa Chu Kang Crescent •

(65) 9811 5646 •

kathy_aung@outlook.com •

www.linkedin.com/in/kathyaung •

<https://ktablog.github.io/> •

OBJECTIVE

12+ years experienced in developing software and control systems for factory automation, data monitoring, robotics, and servo applications. Skilled in coding, data structures, analytical thinking, building frameworks and project management. Result orientated, maintaining high efficiency through strategic planning, corporate cultural harmony, and work life balance. Possess an MBA. and expertise in Microsoft Excel, PowerBI and Tableau. Looking to leverage my knowledge and experience into a role as Data Analyst, Financial Analyst, Data Engineer, Data Scientist.

PROFESSIONAL EXPERIENCE

ANGEL PLAYING CARDS – Singapore, SG

Manager (Technological 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.

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

PODOYO PLASTIC 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.
- 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 **PERSONAL TRAITS**

UNIVERSITY OF NOTTINGHAM – UK, China, Malaysia
Master of Business Administration (MBA), July 2019
Passed with Merit

YANGON TECHNOLOGICAL UNIVERSITY – Myanmar
Bachelor of Engineering (BE, Electrical Power), December 2006
GPA: 4.7/5.0

- Able to understand the analogy between engineering, social, mathematics and economics.
- Self-motivated, Independent & Sociable.
- Good Team player with Positive Attitude.
- Quick Learner.
- Able to code variety of programming languages.

CERTIFICATES

HARVARD UNIVERSITY

CS50B, Computer Science for Business Professionals,
August 2022

NANYANG TECHNOLOGICAL UNIVERSITY

Developing Object Oriented Applications in C++,
April 2016

TABLEAU e LEARNING

Data Science with Tableau,
June 2022

MICROSOFT

Analyse Data with PowerBI,
May 2022

GOLDMAN SACHS

Engineering Virtual Program, Fintech Engineering,
June 2022

CISCO NETWORKING ACADEMY

NDG, Linux Unhatched,
July 2022

LINKEDIN LEARNING

Become a Data Analyst,
Become a Financial Analyst,
Become a Software Developer,
June 2022

ORACLE UNIVERSITY

Java Explorer,
July 2022

UNIVERSITY OF LEEDS

Communication and Interpersonal Skills at Work,
May 2022

ACCENTURE

Digital Skills: Artificial Intelligence,
Digital Skills: Web Analytics,
Digital Skills: social media,
May 2022

ADDITIONAL SKILLS

- Data mining
- Parsing files and log files to extract required data
- Scripting SQL to extract data
- Constructing API to access required data
- Developing Java apps
- Web development
- Structuring data with Panda
- Visualizing with Dash
- Testing system performance for multi-threading

FURTHER INFORMATION

Availability	Immediate
Reason for leaving	Career Progression
Expected Salary	Negotiable

Kathy Aung

Software Developer Web Site: <https://ktablog.github.io/>



+65 9811 5646



kathy_aung@outlook.com



www.linkedin.com/in/kathyaung

OBJECTIVE

12+ 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 Office

Linux/Shell

Python

PLC Programming

EPLAN

SolidWorks

PERSONAL INFORMATION

Date of Birth	16 November 1982
Nationality	Myanmar, Burmese
Marital Status	Single
Height	5' 3"
Weight	73kg
Language	English / Burmese / Chinese/ Japanese

PROFESSIONAL EXPERIENCE

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.
- Handled 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.
- Handled 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.
- Handled 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 Interpersonal 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.
- ❖ Self-motivated, Independent & Sociable.
- ❖ Good Team player with Positive Attitude.
- ❖ Quick Learner.
- ❖ 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.



KATHY AUNG

Technological Manager

12+ 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.

WORK EXPERIENCE

MANAGER (TECHNOLOGICAL DIVISION)

Angel Playing Cards • Singapore • 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.

SOFTWARE AND CONTROL ENGINEER

YAC System • Singapore • 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.

SOFTWARE AND CONTROL ENGINEER

CASEM (ASIA) • Singapore • 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.

CONTACT ME

☎ (65) 9811 5646
✉ kathy_aung@outlook.com
📍 Singapore, Singapore
🖱 <https://ktablog.github.io/>
in www.linkedin.com/in/kathyaung

AREAS OF EXPERTISE

Project Management

Managed the overall system and design of factory automation processes, machines, and production lines to be able to deliver with accepted criteria.

Control System Design

Designed automated machines to form micro-electronic devices and managed to meet tight delivery schedules.

Project Analysis

Conducted project yield analysis for high quality international standard products to minimize rejects.

PERSONAL TRAITS

- Able to understand the analogy between engineering, social, mathematics and economics.
- Self-motivated, Independent & Sociable.
- Good Team player with Positive Attitude.
- Quick Learner.
- Able to code variety of programming languages.

ADDITIONAL SKILLS

- Project Management
- Quality Control
- Project Yield Analysis
- Service and Commissioning
- Control System Design
- Servo Motor Control Design
- Electrical Design
- PLC Programming
- Robotic Programming
- HMI Design and Programming
- Web Development
- Communication Protocols
- User Manual Writing
- Purchasing Components

FURTHER INFORMATION

Availability: Immediate
Reason for leaving: Career Progression
Expected Salary: Negotiable

ELECTRICAL DESIGN ENGINEER

Panasonic Industrial Device • Singapore • 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.
- Handled electrical components and hardware selection and purchasing to meet project deadlines within acceptable budgets.

SYSTEMS PROGRAMMER

Fujicon Engineering • Singapore • 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.
- Handled electrical components and hardware selection and purchasing to meet project deadlines within acceptable budgets.

TECHNICAL SPECIALIST

Podoyo Plastic Industries • Malaysia • 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
- 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.

ASSISTANT ENGINEER

TSM Consultancy • Singapore • 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 & CREDENTIALS

MBA (General)

University of Nottingham, UK, China, Malaysia,
July 2019

BE (Electrical Power)

Yangon Technological University, Myanmar
December 2006

CS50T (Understanding Technology)

Harvard University, Edx
July 2022

CS50B (Computer Science for Business Professionals)

Harvard University, Edx

August 2022

Developing Object Oriented Applications in C++

Nanyang Technological University, Singapore

April 2016

Become a Software Developer**Become a Data Analyst****Become a Financial Analyst**

LinkedIn Learning

June 2022

Digital Skills: Artificial Intelligence

Accenture

May 2022

NDG, Linux Unhatched

CISCO Networking Academy

July 2022

Java Explorer

Oracle University

July 2022

Communication and Interpersonal Skills at Work

University of Leeds

May 2022

Basic System Integrator Training

Rockwell Automation

January 2017

EPLAN Electric P8

EPLAN

January 2018

Solidworks Electrical 2D

SEACAD

June 2019

Failure Mode and Effect Analysis

SQL International

September 2016

8D Training

Manufacturing Integration Technology Ltd

January 2016