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.

CONTACT ME

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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.

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.

PERSONAL TRAITS

- Able to understand the analogy between engineering, social, mathematics and economics.
- Self-motivated, Independent & Sociable.
- Good Team player with Positive Attitude.
- Quick Leaner.
- 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
SQI International
September 2016

8D Training
Manufacturing Integration Technology Ltd
January 2016