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| |  | | --- | | CONTACT ME |  |  |  | | --- | --- | |  | (65) 9811 5646 | |  | kathy\_aung@outlook.com | |  | Singapore, Singapore | |  | <https://ktablog.github.io/> | |  | [www.linkedin.com/in/kathyaung](http://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 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 |  |  | KATHY AUNG  Technological Manager  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.   |  | | --- | | WORK EXPERIENCE |  **SENIOR SOFTWARE AND CONTROL ENGINEER** *Ascendze Pte Ltd• 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.  **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.  **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  **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 |
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