Manuel M. Ramos

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Summary:

I am a seasoned Control Systems Engineer with over 14 years of experience creating cost-effective automated machines. Highly experienced in developing cutting-edge equipment for various industries that have improved the quality of their products and the production speed. In addition, using innovative software techniques has given me a proven record in decreasing code development and debug time. Capable of leading or coordinating with a team of engineers to complete projects in a fast-paced, challenging, deadline-driven environment and within budgetary constraints.

Work Experience:

Syneo
Sept 2007 – June 2021
Lead Control System Engineer

- Develop software standards to reduce development and debug time
- Provide software solutions to complex control problems.
- Coordinate with the production team on building and troubleshooting
- Worked with customer service on troubleshooting machines remotely
- Synchronize with the sales team to transcript customer requests into software specification
- Aided a team of mechanical engineers on developing and debugging machines
- Led a group of software engineers in developing complex systems
- Supported the application department in testing customer supplied materials

Hilton International Industry
July 2021 – Present
Control System Engineer

- Developed a multiple axis servo control battery winding machine
- Aid the assembly team in wiring and troubleshooting
- Generated manual and technical documents

Technical Experience:

- Developed PLC software using Omron SYSMAC and CX-Programmer, Keyence, AB RSLogix 500, and Kollmorgen
- Developed HMI using Maple Systems, Weintek, Kollmorgen, Omron, and Beijer
- Developed PC software using VB.net, C#
- Developed schematics to NFPA 79 standard using Autodesk AutoCAD
- Programmed safety controllers
- Programmed motion controllers from Galil, Trio, and Omron SYSMAC
- Programmed collaborative robots from Universal Robots
- Developed vision applications using systems from Keyence and Banner Engineer
- Programmed and commissioned servo drives from Parker, Kollmorgen, and Omron
- Tuned PID Loop for various applications.
- Using Fieldbus technologies such EtherCat, Ethernet/IP, TCP/IP, MODBUS, and more