Manuel M. Ramos

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Summary:

A seasoned Control Systems Engineer with over 14 years of experience developing and commissioning automated machines. Highly experience in developing cost effective cutting-edge equipment for various industries that have improved the quality of their product and the speed of production. In addition, using innovative software techniques has given me a proven record in decreasing code development and debug time. Capable in leading or coordinating a team of engineers to successful completing projects in a fast-paced and challenging environment that are deadline driven and have 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
- Lead 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:
- Developing PLC software using Omron SYSMAC, Keyence, AB RSLogix 500, and Kollmorgen
- Developing HMI using Maple Systems, Weintek, Kollmorgen, Omron, and Beijer
- Developing PC software using VB.net, C#
- Developed schematics to NFPA 79 standard using Autodesk AutoCAD
- Programming safety controllers
- Programming motion controllers from Galil, Trio, and Omron SYSMAC
- Programming collaborative robots from Universal Robots
- Developing vision applications using systems from Keyence and Banner Engineer
- Programming and commissioning servo drives from Parker, Kollmorgen, and Omron
- Tuning PID Loop for various applications.
- Using Fieldbus technologies such EtherCat, Ethernet/IP, TCP/IP, MODBUS, and more