Derek Hollis

PLC PROGRAMMER

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Summary

PLC Programmer with 7 years writing and debugging PLC programs for automotive and packaging lines. Works daily in Rockwell Studio 5000 and Siemens TIA Portal with ladder logic, structured text and function block diagram, and sets up Ethernet/IP and Profibus networks. Adds vision systems and robot handshakes to running machines with little downtime.

Skills

- PLC Programming
- Ladder Logic
- Structured Text
- Function Block Diagram
- Rockwell Studio 5000
- Siemens TIA Portal
- Allen-Bradley
- Ethernet/IP
- Profibus
- Vision Systems

Experience

PLC Programmer 06/2022 - Present

Foothills Automation Integrators Greenville, SC

Integrator serving automotive and tire plants in the Southeast.

- Write ladder logic and structured text for **40+** machine retrofits a year in Rockwell Studio 5000.
- Program Siemens S7-1500 controllers in function block diagram for 2 tire-building lines.
- Integrate vision systems and robot handshakes into 12 existing cells, each cut over in a single weekend shutdown.
- Configure Ethernet/IP and Profibus networks, cutting communication faults on retrofit lines by 50%.

Controls Technician 06/2019 - 05/2022

Palmetto Packaging Systems Spartanburg, SC

Packaging plant with 18 form-fill-seal lines.

- Modified Allen-Bradley PLC logic and operator screens on 18 packaging lines with engineering approval.
- Diagnosed sensor, drive and network faults across 3 shifts, lowering average repair time from 50 to 30 minutes.
- Organized backups and version control for every line's PLC program, creating the plant's first program library.

Education

Associate of Applied Science 05/2019

Greenville Technical College Greenville, SC

Mechatronics Technology