

MANADA AUTOMATION GROUP

Thinkers and Doers

Software Engineer — Controls & Automation

Hershey, PA (Central PA) · Full-time · On-site + customer field work

We're hiring an experienced controls software engineer to lead automation software across our projects. **Allen-Bradley PLC programming and Ignition SCADA are the center of the work.** You'll take projects from concept through commissioning — and stand behind them at the customer site.

What You'll Do

- Develop and debug PLC/PAC logic on Allen-Bradley/Rockwell platforms (Studio 5000, ControlLogix, CompactLogix, Logix Designer)
- Architect and build Ignition applications — Perspective and Vision, tag architecture, alarming, historians, and Python/Jython scripting
- Bridge OT and IT: SQL databases, OPC-UA, Modbus TCP, EtherNet/IP, MQTT/Sparkplug
- Design HMI/SCADA that operators actually like using
- Commission systems in the field — startup, tuning, and troubleshooting under real production pressure
- Collaborate on electrical and panel design, and review your own I/O
- Work directly with customers: understand the process, scope the solution, deliver

What You Bring (Required)

- **7+ years** designing and deploying industrial automation software
- **Deep, hands-on Allen-Bradley / Rockwell PLC experience** — you can walk into unfamiliar ladder, FBD, or structured text and make it behave
- **Proven Ignition (Inductive Automation) experience** — Perspective and/or Vision in production
- Scripting fluency (Python / Jython)
- Strong grasp of industrial networking and protocols (EtherNet/IP, OPC-UA, Modbus)
- Willingness to travel to customer sites and own commissioning
- Clean, documented, maintainable work — code the next engineer can pick up without a phone call

Bonus Points

- UL508A panel design / build knowledge
- SQL Server and database-driven applications
- MQTT / Sparkplug B and IIoT architectures
- MES, OEE, or production reporting
- Electrical design (schematics, WSCAD or AutoCAD Electrical)
- Rockwell or Inductive Automation certifications
- Process experience: packaging, food & beverage, water/wastewater, bulk handling

Who You Are

This is the part that matters most. We run like a small, elite unit — everyone carries real weight, and we trust each other to get it done.

- **Extreme ownership.** You own the outcome, not just the task. When something breaks at 2 a.m. on a startup, you don't look for someone to blame — you fix it.
- **Bias for action.** You'd rather figure it out and move than wait to be told.

- **Calm under pressure.** Line's down, customer's watching — that's when you get sharper, not rattled.
- **Adaptable.** You'll wear multiple hats in a small shop and thrive on it.
- **High character.** Honest, humble, no ego. You make the people around you better.
- **Relentless learner.** The technology moves; so do you.

If you need a rigid checklist and a manager reviewing your every move, this isn't the seat. If you want real ownership and the room to run — it is.

What We Offer

Competitive salary and full benefits, real ownership of your work, and a direct line to leadership.

How to Apply

Use the contact link on this page to reach out. Send your resume and a short note about a project you owned from concept to commissioning — tell us what broke, and how you fixed it.