

Landon Robertson

☎ (803) 555-1234

✉ landon.robertson@email.com

🌐 linkedin.com/in/landonrobertson

📍 Columbia, SC 29201

SUMMARY

Enthusiastic PLC Programmer with robust experience in system controls and programming, especially using Siemens S7 and TIA Portal. Focused on operational efficiency, fostering client relationships through high-quality solutions. Strong reputation for leading complex programming initiatives and ensuring thorough testing for peak system reliability. Proven ability to enhance operations significantly, reflected in meaningful improvements across key performance indicators. Experience collaborating within teams fosters a spirit of cooperation and shared success, driving superior outcomes. Eager to contribute skills to a forward-thinking organization that values innovation and teamwork.

EXPERIENCE

PLC Programmer

January 2025 - Present

Innovative Automation Solutions

Greenville, SC

Oversaw the design and deployment of advanced PLC programming systems with a focus on enhancing productivity and system integrity. Provided leadership over complex projects, ensuring compliance with client specifications while promoting innovative practices among team members. Delivered impactful automation solutions tailored to industry needs.

- Developed tailored PLC software correlating directly with customer requirements, boosting overall operational efficacy.
- Implemented Siemens S7 programming optimally, achieving significant process improvements and robustness.
- Executed targeted I/O checks, confirming functionality of sensors and actuators, which improved reliability and decreased downtime.
- Led bus commissioning and safety protocols, aligning project outputs with stringent industry standards.
- Collaborated cross-functionally to eliminate bottlenecks, optimizing cycle times by 15%, resulting in improved workflows.
- Mentored junior engineers, sharing valuable insights while nurturing a culture centered around collaborative success.

Junior PLC Programmer

June 2022 - December 2024

ElectroTech Engineering

Anderson, SC

Gained hands-on experience as part of a dynamic team dedicated to developing state-of-the-art PLC control systems and automation solutions. Influenced critical project outcomes through active contributions and troubleshooting approaches.

- Assisted in designing and modifying PLC systems using TIA Portal, invigorating both timelines and budgets during web-based applications.
- Conducted essential manual and automated operation checks, ensuring user satisfaction remained consistent across diverse technical environments.
- Engaged actively in strategies targeting cycle time improvement, thus facilitating marked reductions in operational costs.
- Collaborated effectively with senior engineers on debugging processes, amplifying system reliability through collective expertise.
- Participated in professional development, remaining informed on current trends impacting automation and programming best practices.
- Documented program methodologies and results meticulously, aiding transparent knowledge-sharing amongst peers.

Intern

June 2021 - May 2022

Tech Solutions Inc.

Spartanburg, SC

Contributed support to PLC system programming efforts, fostering skill development and practical understanding of real-world applications under supervision. Actively participated in essential testing procedures vital for machinery functionality.

- Facilitated sensor and actuator tests during I/O verification processes, assuring the fulfillment of rigorous project standards.
- Assisted in creating comprehensive documentation for PLC-related projects, urging streamlined future implementations.
- Worked closely with teams in communicative settings, helping steer discussions regarding various ongoing projects.
- Acquired extensive knowledge about safety protocols and commissioning processes from experienced colleagues.
- Delivered presentations focused on project results, significantly bolstering communication and analytics skills.
- Gained insight into operational improvement strategies through participation in hands-on learning initiatives.

LEADERSHIP & AWARDS

- Recipient of the Innovation Excellence Award for outstanding contributions to automation projects.
- Achieved Employee of the Month at Innovative Automation Solutions for superior problem-solving capabilities and teamwork.

EDUCATION

Bachelor's Degree in Automotive Engineering

2026

Clemson University GPA: 3.8

Clemson, SC

Coursework: Control Systems, PLC Programming, Automation Technology, Safety Protocols

CERTIFICATIONS

- Siemens S7 Programming Certification 📅 2026
- Project Management Professional 📅 2026

TECHNICAL SKILLS

- **Programming Languages:** Structured Text, Ladder Logic, Function Block Diagram
- **Operating Systems:** Windows, Linux, RTOS
- **PLC Platforms:** Siemens S7, Allen-Bradley, Schneider Electric
- **Automation Tools:** SCADA, HMI, DCS
- **Testing Strategies:** Unit Testing, Integration Testing, Regression Testing
- **Communication Protocols:** Modbus, Profibus, Ethernet/IP
- **Industrial Standards:** ISA, IEC, NFPA
- **Documentation Software:** Microsoft Office, Visio, Project Teardown
- **Version Control Systems:** Git, SVN, Mercurial
- **Compliance Practices:** ISO 9001, OSHA, Machine Safety Standards

SKILLS

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|-------------------|----------------------------|----------------------------------|-------------------------|
| • PLC Programming | • Automation | • Cycle Time Improvement | • Problem Solving |
| • Siemens S7 | • Safety Commissioning | • Project Development | • Regulatory Compliance |
| • TIA Portal | • Operational Optimization | • Cross-functional Collaboration | • Training Support |
| • System Controls | • I/O Checks | • Technical Documentation | • Debugging Techniques |

PROFESSIONAL AFFILIATIONS

- Member of the American Society of Mechanical Engineers.
- Active participant in local engineering workshops and seminars.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST