

MARK SPLAWN

Controls Technician

864-652-1772



splawnmark@gmail.com



Greer, SC



SUMMARY

A highly accomplished Mechatronics Engineer and Controls Technician with extensive experience in the fields of automation, robotics, and advanced industrial systems. Demonstrated proficiency in the design, implementation, and optimization of sophisticated control systems to enhance operational efficiency, reliability, and safety.

Expertise in Industrial Control Systems (ICS) and Operational Technology (OT) cybersecurity, network architecture, and system integration. Adept at managing complex engineering projects, leading cross-functional teams, and applying innovative technical solutions. Seeking to leverage advanced technical competencies, professional certifications, and leadership acumen as a Mechatronics Engineers in ICS/OT

EDUCATION

Spartanburg Community College

Associate's Degree in Mechatronics
2018 – 2019

University of South Carolina Upstate

Bachelor of Applied Science in Advanced
Manufacturing Technology
2020 – 2022

SKILLS

- Automation and Controls: Designing and optimizing complex industrial systems.
- Robotics and Mechatronics: Programming and operating advanced robotic systems.
- Programming and Software: Developing automation using various coding languages.
- Networking and Communication: Integrating industrial devices through communication protocols.
- Cybersecurity: Securing ICS/OT environments from threats.

CERTIFICATIONS

- OSHA 10 Certification
- TIA Portal Programming 1
- Kuka Electrical Servicing-System Technology
- Kuka Kore Certification
- Siemens Basics of PLCs
- Google Cybersecurity Certification

PROFESSIONAL EXPERIENCE

Controls Technician

Swisslog Logistics | 2019 - Present

- Led initiatives to replace obsolete motor starters with SEW MoviMot drives, thereby enhancing system reliability and substantially reducing system downtime.
- Directed comprehensive upgrades to receiving and shipping conveyor systems, including migration of Programmable Logic Controllers (PLCs) to Siemens S7-1500 controllers, ensuring seamless compatibility with Swisslog's Warehouse Management System (WMS).
- Executed onsite installation, rigorous testing, and commissioning of sophisticated control systems for both freezer and dairy operations, maintaining optimal performance in extreme environmental conditions.

Lead Industrial Preventive Maintenance Mechanic

Tietex International, Ltd.

- Maintained preventive maintenance programs for over 15 machines, ensuring consistent and reliable operation.
- Organized and managed multiple maintenance projects, ensuring completion within strict deadlines.
- Led a team of 5+ employees, assuming managerial responsibilities in the absence of the supervisor, and consistently meeting or exceeding production targets.
- Adhered to safety and security protocols, interpreting and implementing regulations for industrial machinery, including blueprint reading and HAZMAT procedures.

Maintenance Supervisor

Ace Environmental LLC

- Assisted executive secretary in managing and coordinating schedules, meetings, and travel arrangements for senior executives
- Conducted research and prepared reports on various topics related to the company's operations and industry trends
- Provided administrative support, including answering phone calls, responding to emails, and preparing correspondence