

Maverick Thomas

Control Systems Engineer

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STRENGTHS

-  **Analytical Thinker**
Leveraging systematic problem-solving skills has often resulted in discovering efficient solutions to operational hurdles.
-  **Effective Communicator**
Delivering succinct technical updates encourages organizational fluency and reduces misunderstandings across teams.
-  **Team Player**
Cultivating positive collaborations has led to higher collective achievements among engineering and maintenance groups.
-  **Proactive Learner**
Pursuing ongoing education within engineering disciplines ensure capabilities remain fluent amid technological advancements.
-  **Adaptable Professional**
Adjusting seamlessly between diverse roles in rapidly changing environments enhances both personal growth and team outcomes.

SKILLS

- PLC Programming
- Controls Engineering
- Automation Solutions
- Troubleshooting Skills
- HMI Development
- Sensor Technology Drives/VFDs
- Industrial Networking
- Rapid Prototyping
- System Integration
- Project Management
- Technical Documentation

SUMMARY

Dedicated Control Systems Engineer with over 3 years of experience in PLC, automation, and controls engineering. Proven ability to maintain and troubleshoot complex automated systems across high-paced environments. Skilled in Siemens and Beckhoff PLC systems, software for analyzing equipment performance, project documentation, and minimizing downtime. Committed to delivering clear technical updates while collaborating with cross-functional maintenance teams to ensure operational excellence, safety, and efficiency. Eager to contribute strategic insights and fortify system reliability through informed decision-making and innovative solutions.

EXPERIENCE

Control Systems Engineer

TechDynamics  January 2023 - Present  Naperville, IL

- Manage PLC-controlled automation systems ensuring top-tier operational standards. Collaborate with engineering and maintenance teams to improve system reliability across multiple production lines, focus on reducing faults and downtime through structured troubleshooting and clear communication.
- Monitor operation of PLC-integrated automation systems across diverse production circuits.
 - Conduct fault diagnosis and implement corrective actions for conveyor and storage operations.
 - Facilitate productive relationships between engineering and operational teams through regular performance updates.
 - Ensure compliance with technical documentation standards for accuracy and clarity.
 - Lead training sessions for junior engineers focusing on automation protocols and effective troubleshooting techniques.
 - Successfully adapt operational strategies during peak activity periods, enhancing overall productivity.

Automation Engineer

Automation Innovators  June 2021 - December 2022  Aurora, IL

- Played a pivotal role in the deployment of automated solutions aimed at maximizing throughput within warehousing operations. Enhanced operational designs by diagnosing faults in material handling equipment, facilitating smoother integrations of technologies.
- Developed procedures that led to a substantial increase in efficiency associated with warehouse operations.
 - Participated in root cause analysis of installation issues, significantly improving system uptime.
 - Engaged with stakeholders to optimize operational performance and streamline workflow processes.
 - Documented preventative measures for recurring technical challenges, thereby contributing inventive solutions.
 - Assisted in equipping staff with leading-edge technology training which fostered capability acquisition.
 - Supported inter-team communications delivering timely updates to enhance coordinated responses.

Junior Controls Engineer

RoboTech Solutions  March 2020 - May 2021  Schaumburg, IL

- Contributed to monitoring of automated warehouse systems boosting their functional capacity. Assisted expert colleagues in resolving intricate PLC problems, enriching personal expertise and first-hand experiences in control systems.
- Conducted preliminary diagnostic assessments addressing system failures under direct supervision.
 - Collaborated in crafting straightforward operational protocols which aided team delivery.
 - Engaged constructively within team initiatives aimed at bolstering equipment reliability through repair methodologies.

Operations Optimization

Preventive Maintenance

Cross-Functional Collaboration

Risk Assessment

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Control Systems Engineer at TechDynamics (3.6 Years)

● Automation Engineer at Automation Innovators (1.5 Years)

● Junior Controls Engineer at RoboTech Solutions (1.2 Years)

- Utilized analytics tools supporting reporting efforts to consolidate data-driven operational improvements.
- Instrumental in achieving higher responsiveness levels during technical support phases of incidents.
- Provided support in documenting troubleshooting experiences promoting a culture of knowledge sharing.

LEADERSHIP & AWARDS

- Received Excellence in Automation Award for outstanding contributions towards enhanced project efficiencies in 2023.
- Achieved Sustained High Performance Recognition for consistently maintaining superior system operability standards over two consecutive years.

EDUCATION

Bachelor's Degree in Electrical Engineering

University of Illinois 🎓 GPA: 3.5 📅 2020 📍 Champaign, IL

Coursework: Circuits, Controls Systems, Automation, Mechatronics

CERTIFICATIONS

- Siemens Certified PLC Programmer 📅 2021
- Beckhoff Automation Training Certificate 📅 2022

TECHNICAL SKILLS

- **PLC Systems:** Siemens, Beckhoff, Rockwell
- **HMI Software:** WinCC, Studio 5000, Twincat
- **Network Protocols:** PROFINET, EtherCAT, Modbus
- **Data Analysis Tools:** MATLAB, Simulink, AutoCAD
- **Simulation Software:** Arena, AnyLogic, FlexSim
- **Documentation Standards:** ISO 9001, IEEE, GMP
- **Diagnostics Software:** TIA Portal, Codesys, FactoryTalk
- **Maintenance Strategies:** Lean Manufacturing, Six Sigma, TPM
- **Training Programs:** Mentorship, Peer Learning, Workshops
- **Compliance Frameworks:** OSHA, NEC, NFPA

PROFESSIONAL AFFILIATIONS

- Member of the Society of Automation Engineers, engaging in discussions around innovations within industry practices.
- Volunteered for local STEM initiatives promoting educational opportunities in electrical and mechanical engineering.

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST