

George Chandler

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SUMMARY

Accomplished Controls Engineer with over 5 years in PLC programming and automation solutions. Expertise covers Allen Bradley ControlLogix and HMI development alongside comprehensive knowledge of Ethernet and DeviceNET. Strong troubleshooting skills foster high-quality engineering solutions and proactive project executions, notably integrating robotic systems and collaborating effectively across teams to drive operational efficiency. Fiercely committed to delivering value in every endeavor, this role prioritizes seamless integration of control systems while continuously enhancing system performance.

EXPERIENCE

PLC Programmer

June 2022 - Present

Tech Innovations LLC

San Jose, CA

Responsible for optimizing automation systems through advanced PLC programming and effective cross-team collaboration. Contributes significantly to the enhancement of manufacturing processes by leveraging strong technical proficiency in industry-standard tools.

- Enhanced production line efficiency by creating PLC programs that streamlined operations.
- Achieved seamless integration of Allen Bradley ControlLogix PLCs with robotic systems, minimizing downtime noticeably.
- Developed FactoryTalk HMI interfaces providing intuitive control adjustments, elevating user interaction experience.
- Conducted thorough electrical troubleshooting, actively reducing error rates by implementing systemic maintenance schedules.
- Partnered with engineers to solve complex bottlenecks, accelerating milestone achievement well ahead of deadlines.
- Mentored junior engineers and operators on best practices, encouraging an ethos of collective improvement.

Controls Engineer

March 2020 - May 2022

Automation Dynamics Inc.

Fremont, CA

Focused on leading program developments using Allen Bradley technology, influencing client deliverables positively. Collaborated extensively within multi-functional teams to ensure smooth operations.

- Orchestrated the creation of multiple PLC programs tailored for various projects maximizing customer satisfaction.
- Spearheaded network integrations ensuring effective communication between devices for enhanced reliability.
- Executed detailed electrical diagnostics to uncover resolution pathways in fast-paced environments promptly.
- United with team members to implement strategic upgrades, driving a noticeable increase in system uptime.
- Thoroughly documented program modifications maintaining stringent industry compliance throughout the process.
- Actively contributed insights during design reviews, staying ahead of both challenges and expectations.

Junior Controls Engineer

January 2018 - February 2020

Control Systems Group

Oakland, CA

Gained essential experience in PLC programming and related automation technologies while supporting senior engineers to enhance functionality within key projects.

- Assisted in the crafting and debugging of PLC applications, growing expertise in ControlLogix systems considerably.
- Supported senior colleagues with diagnostic procedures improving overall equipment effectiveness.
- Contributed to developing engaging HMI applications designed with optimal user interaction in mind.
- Played a key role in foundational project documentation tasks ensuring adherence to safety standards.
- Actively participated in workshops, broadening understanding of emerging trends within automation
- Intensity observed shadowing qualified engineers, grasping fundamental execution methodologies.

LEADERSHIP & AWARDS

- Allen Bradley Excellence Award for Outstanding Contribution – 2022
- Employee of the Month Recognition at Tech Innovations LLC – January 2023

EDUCATION

Bachelor's Degree in Electrical Engineering

2017

University of California, Berkeley GPA: 3.5

Berkeley, CA

Coursework: PLC Programming, Automation Solutions, Networking Principles, Control Systems

CERTIFICATIONS

- Allen Bradley PLC Programming Certification 📅 2021
- HMI Development Certification 📅 2020

TECHNICAL SKILLS

- **Programming Languages:** Structured Text, Ladder Logic, Function Block Diagram
- **PLC Technologies:** Allen Bradley ControlLogix, Siemens S7, Mitsubishi PLC
- **Software Tools:** RSLogix5000, Studio 5000, FactoryTalk View
- **Networking Protocols:** Ethernet/IP, DeviceNET, Profibus
- **Control Systems:** SCADA, DCS, HMI
- **Troubleshooting Tools:** Multimeter, Oscilloscope, Voltage Testers
- **Automated Testing:** Simulink, CODESYS, LabVIEW
- **Engineering Standards:** ISO 9001, IEC 61508, ANSI/ISA-88
- **Documentation Tools:** Microsoft Word, AutoCAD, Visio
- **Continuous Improvement:** Lean Methodologies, Six Sigma, Kaizen

SKILLS

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|------------------------------|------------------------------|----------------------------------|------------------------|
| • Allen Bradley ControlLogix | • DeviceNET | • Cross-Functional Collaboration | • User-Friendly Design |
| • RSLogix5000 | • Electrical Troubleshooting | • Robotics Integration | • Process Improvement |
| • FactoryTalk HMI | • Automation Solutions | • Diagnostic Techniques | |
| • Ethernet | • Project Management | • System Performance Enhancement | |

PROFESSIONAL AFFILIATIONS

- Member, International Society of Automation
- Volunteer, STEM Educational Programs for Underprivileged Youth

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST