

Remington Williams

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SUMMARY

Instrumentation and controls technician with seven years of **industrial maintenance** experience supporting water production, process utilities, PLC automation, SCADA networks, instrumentation communications, and electrical control systems. Tests, calibrates, repairs, and documents flow meters, gas sensors, chemical feed controls, VFDs, UPS systems, generators, and process controllers. Programs Allen Bradley and Modicon PLCs, modifies control circuits, coordinates SCADA changes, and supports automation upgrades from planning through return to service. Uses oscilloscopes, **thermographic imaging cameras**, power analyzers, ultrasonic flow equipment, and CMMS records to isolate faults and protect operational continuity. Applies NEC and NFPA 70E fundamentals with **lockout and tagout**, confined space, arc flash, chemical safety, PPE, and emergency response practices. Collaborative work with operations, engineering, contractors, planners, and vendors supports safe, dependable **water infrastructure**.

EXPERIENCE

Instrumentation and Controls Technician February 2024 - Present
Clearwater Process Utilities *Lakeland, FL*

Supports water process instrumentation, PLC automation, SCADA operations, electrical controls, and specialized maintenance. Coordinates technical changes with operations, engineering, contractors, and planners while preserving safe and reliable service.

- Calibrated **ultrasonic flow meters** and **gas sensors** using documented procedures, restoring dependable process readings.
- Programmed **Allen Bradley** PLC logic and validated SCADA communications before returning equipment to service.
- Modified **control circuits** and updated drawings after **automation upgrades**, giving technicians accurate field documentation.
- Used oscilloscopes, thermographic cameras, and power analyzers to isolate faults during critical repairs.
- Recorded equipment findings in CMMS, improving planner visibility across preventive and **corrective maintenance** work.
- Applied NFPA 70E, lockout and tagout, confined space, chemical safety, and PPE controls during repairs

Industrial Maintenance Technician June 2021 - January 2024
Gulf Ridge Water Services *Winter Haven, FL*

Maintained pumps, motors, generators, VFDs, UPS equipment, process instrumentation, and chemical feed systems across water production facilities. Supported Modicon controls work and supplied field evidence for planning and troubleshooting decisions.

- Completed **preventive maintenance** on pumps and motors, keeping **water production** equipment ready for operation.
- Tested generators, **UPS systems**, and VFDs during scheduled work, documenting conditions for maintenance planners.
- Supported Modicon PLC troubleshooting with senior **controls** staff, tracing interlocks and communications from field symptoms.
- Created CMMS work orders with measurements and parts, giving planners clearer follow up requirements.
- Diagnosed electrical and mechanical faults from meter readings and drawings, shortening technician troubleshooting cycles.
- Applied **confined space**, **arc flash**, CPR, chemical safety, and PPE training during outage maintenance

Maintenance Technician October 2019 - May 2021
Evergreen Industrial Maintenance *Plant City, FL*

Supported industrial electrical and mechanical maintenance across utility and manufacturing environments. Built practical experience with motors, pumps, panels, process equipment, work order systems, safe isolation, and preventive care.

- Verified power and continuity with multimeters before replacing failed components in electrical panels.
- Read equipment manuals and drawings to identify parts, tools, and safety **controls** before repairs.
- Performed lubrication, alignment, cleaning, and component replacement during scheduled **preventive maintenance** activities.
- Recorded equipment conditions in work order systems, preserving useful history for supervisors and technicians.
- Supported motor and pump repairs in utility settings, building practical process equipment experience.
- Followed **lockout and tagout**, **PPE**, chemical safety, and hazard controls during field maintenance

PROJECTS

Water Process Automation Upgrade 📅 2024

Modified control circuits, programmed Allen Bradley logic, and coordinated validated SCADA changes for safer automation upgrades. Updated drawings and CMMS records so operations and maintenance teams could work from current information.

Ultrasonic Flow Verification Program 📅 2026

Applied ultrasonic flow meter testing methods with specialized equipment to verify process readings. Documented results and equipment findings, supporting dependable water production and maintenance planning.

LEADERSHIP & AWARDS

- Recognized by maintenance leadership for dependable instrumentation troubleshooting and clear CMMS documentation.
- Selected by peers as a trusted resource for PLC communications, calibration work, and field diagnostics.
- Supported cross training across controls maintenance, safe work practices, and water process equipment.

EDUCATION

Associate of Science in Electronics Engineering Technology2019

Polk State College GPA: 4.0Winter Haven, FL

Coursework: Programmable logic controllers, industrial electronics, electrical circuits, instrumentation systems

CERTIFICATIONS

- Ultrasonic Flow Meter Testing Certification 📅 2026
- CPR and First Aid Certification 📅 2025

TECHNICAL SKILLS

- **SCADA Systems:** SCADA equipment, SCADA changes, instrumentation communications
- **PLC Platforms:** Allen Bradley, Modicon, Automation Direct
- **Industrial Drives:** VFDs, motor drives, drive diagnostics
- **Power Systems:** UPS systems, backup generators, power analyzers
- **Flow Measurement:** Ultrasonic flow meters, flow meter testing, flow instrumentation
- **Process Instrumentation:** Gas sensors, chemical feed controls, process controllers
- **Test Equipment:** Oscilloscopes, thermographic imaging cameras, optical time domain reflectometers
- **Maintenance Systems:** CMMS, preventive maintenance, corrective maintenance
- **Electrical Standards:** NEC, NFPA 70E, arc flash
- **Safety Training:** Lockout and tagout, confined space, ESWP
- **Workplace Protection:** Chemical safe handling, PPE, respirator use
- **Field Operations:** Forklift safety, manlift safety, trenching and shoring
- **Control Documentation:** Control circuit drawings, instrumentation plans, equipment specifications
- **Emergency Readiness:** Disaster service, CPR, first aid
- **Water Infrastructure:** Water production, well mitigation, process utilities

SKILLS

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|-------------------|--------------------------|----------------------|------------------------|
| • SCADA | • VFD systems | • Gas sensors | • NFPA 70E |
| • PLC programming | • UPS systems | • CMMS documentation | • Oscilloscope testing |
| • Allen Bradley | • Flow meters | • Control circuits | • Lockout and tagout |
| • Modicon | • Chemical feed controls | • NEC | |

PROFESSIONAL AFFILIATIONS

- Water process maintenance and operations collaboration across utility facilities.
- Industrial controls and electronics maintenance professional network.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST