

Software Engineer - Job Specification

About Western Automation:

Western Automation Research & Development Limited (WA) is a world leader in the development of Electrical Safety Products such as RCDs (residual current devices), AFDs (Arc Fault Detection) and shock protection for EV (Electrical Vehicles) Charging Stations. We provide technology to a global customer base from our Headquarters in Ballinasloe, Co. Galway, Due to increasingly strong demand for our products and technology, we are currently expanding our Engineering Team.

Role:

The position is for a **Software Engineer** to work as part of our Tester Development Team. In this role you will be responsible for developing software for test rigs, for deployment in our new Production facility in Ballinasloe, or onsite at our manufacturing subcontractors premises. You will also be responsible for developing software to control and analyse data generated by these test rigs. This is a hands-on role with a significant proportion of time spent in the lab.

Responsibilities:

- Work closely with other Test Developers, R&D, QA and Production to develop Tester Specifications
- Create test equipment software design briefs
- Work with Hardware Development Engineers on the design of the Test Rigs
- Work with developers to design algorithms and flowcharts
- Write structured, well executed code based on agreed specifications
- Produce clean, efficient and well documented code
- Troubleshoot and debug code
- Gather and evaluate end-user feedback
- Participate in peer reviews, recommend and execute improvements
- Develop technical documentation to guide future software development projects
- Work as part of a team of Test Development Engineers including mentoring less experienced Engineers

Requirements:

- A Degree in Computer Science, Computer Engineering or related field (Level 8)
- 5 Years of experience in a similar role
- High proficiency and proven experience in Python
- Strong experience with database design – client and server sides (mySQL)
- Excellent communication and writing skills
- Innovative, resourceful and strong troubleshooting skills
- Excellent attention to detail
- Take pride in the quality of your coding and documentation

Advantage

- Experience Designing / Programming Automatic Test Equipment
- Experience in C programming for Embedded Systems / Microcontrollers
- Experience with a version control system
- Experience in communication protocols such as Modbus

To Apply Please send CV and Cover Letter to Chris Gorman at cgorman@westernautomation.com