

“Hardware and Firmware Test Engineer

HDT D&P is an international company located in Belgrade, which develops and manufactures hand-held devices for “T&M” (Test and Measurement Industry):

- The focus of our company is on the measurement and detection of various electrical values (voltage, current, and various other signals),
- In addition to standard types of measuring instruments (multimeters, current clamps, etc.) we also develop specific Multi-functional testers (MFTs) for electrical installations, electrical devices (PAT), solar panels and installations, electric vehicle (EV) chargers and other purposes,
- We also design instruments for measuring various physical (non-electrical) values,
- A special group works on software development for the T&M industry (Windows, mobile and cloud apps.),
- We also develop and manufacture our own equipment for calibration and testing of final products,
- Development also covers Electrical/Optical/Mechanical devices (for use in industry), including the application of IoT and various communication protocols.

Job description

- Execution of manual and automated tests for Hardware and Firmware
- Analysis of device specifications and creating of tests based on that
- Testing during product development (models, assemblies, prototypes)
- QA activities:
 - o Testing prototypes and units from pilot series
 - o Functional testing
 - o System testing (including Regression testing and Release testing)
 - o Device Safety testing
 - o Performance and Stress testing
 - o Compliance with standards and certification testing
- Participation in the development of specifications for new devices - Requirements (metrology, hardware, firmware, user interface)
- Production support:
 - o Participation in the development of production equipment
 - o Support for the use of production equipment in the production process
 - o Support in defining and implementing QA processes in production (Lean, Kaizen)
 - o Support for the creation and maintenance of production instructions

- o Support for production equipment documentation and maintenance
- Support for maintenance of measuring equipment in development and production (records, regular calibration, accuracy, reliability, etc.)

Requirements:

- Bachelor's or master's degree or near graduation,
- Basic knowledge of electrical and electronics theory and practice
- Ability to understand Electric/Electronics Schematic and PCB,
- Fluent knowledge of spoken and written English.

Advantage:

- Working experience in the relevant field,
- 1+ year of experience in QA (hardware, firmware),
- Experience in laboratory equipment (multimeters, oscilloscopes, power supplies, etc.),
- Experience with writing and executing tests,
- Experience with JIRA or similar software,
- Ability to work in an international team.”

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