D/V ELECTRONICS **TESTING THE FUTURE**®

Job Description – Software Developer – NI/LabVIEW specialist – Auburn Hills, MI

Purpose: Develop and deploy solutions for HIL/PHIL systems using NI equipment and tool chain.

Responsibilities:
- Gather and document software project requirements and solutions.
- Define, implement, and maintain high-level design and solution architecture/modules/tools for existing HIL based automated test systems.
- Plan and execute software package verification, validation and testing activities.
- Participation in development, testing and approval of complex software controlled electronic systems.
- Troubleshooting, performing problem analysis and fix bugs; some travel to the customer site may be required to debug or to take care of other software issues.
- Preparation of software and regulatory documentation, including software documentation, manuals, installation instructions etc.
- Communicate with different parties – customer, vendor, internal engineering and manufacturing to ensure software applications meet customer requirements and quality standards.
- Meeting project schedules deadlines and budgets.
- Adhere and contribute to the Software Test group's development process and best practices.
- Perform other duties assigned by Management.

Education and Experience:
- Master's degree in Electrical Engineering or Computer Science; or Bachelors with significant experience/LabVIEW Certification
- Experience: Minimum 5 years of work experience in position involving Systems Integration for Automated Test Equipment. Requirements include:

  - Work experience must have included Electrical Engineering coursework or experience
  - The required 5 years of work experience must include each of the following:
    a. System integration of software and hardware for Industrial Automation Systems, Automated and Bench Test Systems
    b. Test requirements generation
    c. Developing software documentation packages
    d. Executing verification and validation for projects
    e. 5 Years of Experience in each of the following platforms: LabVIEW, TestStand and VeriSTAND
    f. National Instruments certification in either LabVIEW, TestStand OR VeriSTAND
    g. 2 Years of Experience with FPGA (with LabVIEW)
    h. Prior experience testing inverters or motor drives a big plus.
    i. Knowledge of communication protocols CAN, LIN, MODBUS required.

D & V Electronics Ltd. values their employees. We encourage life-long learning and foster employee personal growth. If you're someone who enjoys working in a creative and innovative work environment, and would like to join our team, please submit your resume and covering letter to: careers@dvelectronics.com or fax us at (905) 264-0502.

We thank all applicants for their interest in our organization, however; only those selected for an interview will be contacted.