

# WE'RE HIRING!

## Hardware Engineer III - Toronto

Dominion Voting is searching for an accomplished and passionate **Hardware Engineer III** to join our team in Toronto! This position is in a fast paced engineering design, development and technical support environment with many variables and challenges. The accountabilities of this position will include provision of electronics, software and mechanical engineering support to new product development, manufacturing and field support teams.

### Responsibilities

- Works as a Development Engineer with HW Design Engineers to gain and assimilate electrical and mechanical design understanding and knowledge of products.
- Manage and track 'HW issue escalations' to engineering and provide Level-3 technical and engineering support.
- Create and track JIRA tickets for each Level-3 escalations from production and operations, and circulate reports on tickets.
- Work with HW and SW Engineering to define 'Manufacturing and Test Processes' and work with CM's Production Support Engineers to help create and maintain production documents.
- Create and maintain Level-1 & Level-2 'Product Service and Maintenance Manuals' and 'System Maintenance Manuals'.
- Develop product acceptance test and criteria for Operations to enable them to conduct tests and inspect products.
- Develop and deliver product operation and maintenance training for Field Technicians and Customer's personnel.
- Provide engineering support and training to Supply Chain for monitoring and auditing manufacturing processes.
- Review and monitor ECOs and provide necessary information for handling, treatment and roll-out severity of ECOs.
- Provide development engineering support and assistance to new product development projects in the following areas:
  - Create and execute engineering design verification, qualification and characterization plans.
  - Assist with assembly, test, debug and evaluation of engineering prototypes.
- Where appropriate, creation and distribution of reports pertaining to all of the above.

### Qualifications

- Bachelor degree in Electrical Engineering or Mechanical Engineering or equivalent
- 5+ years of sustaining/development support engineering experience in complex state-of-the-art electronic and electromechanical information processing products.
- Experience with the design, development, production and maintenance of electronic control systems for products with moving mechanical components (such as printers or scanners) which utilize high-speed components such as microprocessors, embedded controllers, graphics processor, security processors, DSPs, memories, FPGAs, and PLDs.
- Strong mechanical assembly/disassembly and soldering skills to manually remove add or replace electronic components and assembly of simple boards and cables.
- Experience with current PCB manufacturing and assembly processes: SMT, AOI, Wave Solder and IPC-A-610 standard.
- Experience with of MSL xx (Moisture Sensitivity Level) standard for various electronic semiconductor components.
- Working knowledge of test equipment such as Logic Analyzers, Oscilloscopes, Emulators, Debuggers, Force gauges and precision mechanical measurement equipment.
- Excellent verbal and written communication skills.
- Strong organizational skills to include multi-tasking and time management skills.
- Ability to work in a multi-discipline team to swiftly prepare and deploy products for political elections of all levels.
- Ability to establish and maintain business relationships with other departments and customers.
- Ability to analyze problems and identify potential solutions and preventive measures.
- You may be required to travel to field/customer site, Contract Manufacturer and Test labs, to provide engineering support, on an as required basis.

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