WE'RE HIRING!

Hardware Engineer II (Sustaining)

Dominion Voting is searching for a passionate **Hardware Engineer II** to join our team in Toronto! This position will work in a fast paced engineering, design, development and technical support environment with many variables and challenges. This position will be accountable for provisioning of electronics and providing software and mechanical engineering support to new product development, manufacturing and field support teams.

Responsibilities

- Works as a Development/Sustaining Engineer with HW Design Engineers to gain and assimilate electrical and mechanical design understanding and knowledge of products designed by the HW Engineering Group or third party OEM/ODM vendors.

- Manage and track all Production and Operations 'HW issue escalations' to engineering and provide Level-3 Technical and Engineering Support, for issue resolution, for all released products in production and all the products in the field.

- Creation and tracking of JIRA Ticket for each Level-3 escalations from production and Operations, and circulation of weekly reports indicating the status of each open ticket.

- Work with HW and SW Engineering to define 'Manufacturing and Test Processes' and work with CM's Production Support Engineers to create low level production documents such as Manufacturing Process Instructions and Test Procedures

- Create and maintain Level-1 & Level-2 'Product Service and Maintenance Manuals' and, 'System Maintenance Manuals'.

- Develop product acceptance test and criteria for the Operations Group to enable them to conduct tests and inspect products received from CM's and vendors.

- Develop and deliver product operation and maintenance training for Field Support Technicians and Customer's Technical Support Personnel.

- Provide Engineering Support and training to Supply Chain personnel for monitoring and auditing manufacturing processes to identify issues, causing defects affecting product quality, early in the production cycle and on an on-going basis.

- Review and monitor ECOs and provide necessary information for handling, treatment and roll-out severity of ECOs in Production and in the Field.

- Provide development engineering support and assistance to new product development projects.

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) and 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 process such as SMT, AOI, Wave Solder and IPC-A-610 standard.

- Experience with of MSL xx (Moisture Sensitivity Level) standard for various electronic semiconductor component types.

- Good working knowledge and understanding of test equipment such as Logic Analyzers, Oscilloscopes, Emulators, Debuggers, Force gauges and precision mechanical measurement equipment.

- You may be required to travel to field/customer site, Contract Manufacturer and Test labs, to provide engineering support, on an as required basis.

Click here to apply!

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Dominion Voting is an Equal Opportunity Employer

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