



## **JOB DESCRIPTION – ASSOCIATE ENGINEER**

### **Key Responsibilities:**

- Design and develop remanufacturing processes including equipment, materials, and procedures
- Reverse engineer and model low to medium electronic and electromechanical systems; analyze hardware and software interaction.
- Develop automation, design and debug code
- Develop accurate models, schematics, and PCB layouts using CAD programs
- Confirm system capabilities and performance through research and by designing feasibility/test methods
- Estimate level of effort, evaluate options of similar or new technology, offer suggestions to improve processes
- Innovate by researching and applying new technologies, materials, and processes
- Oversee the release of products and processes to manufacturing and provide specific training to operators and staff as required.

### **Qualifications and Experience:**

- BS in Electrical Engineering, Mechatronic Engineering, or similar discipline
- Six to twelve months professional experience preferred
- Strong knowledge of analog and digital electronics including A/D, D/A, and PWM, circuits.
- Experience in programming microcontroller/microprocessor products (Microchip, Freescale, and other products)
- Experience in serial communication (SPI, I2C, UART, CAN, and other protocols)
- Experience in programming hardware a plus (PLC, Arduino, Raspberry Pi, or other platforms)
- Excellent verbal and written communication skills
- Excellent analytics, critical thinking and problem-solving skills
- Must be self-motivated and capable of working with minimum supervision

### **About the Company...**

For 25 years, CoreCentric has been shaping how remanufacturing, repair and recycling of electrical and mechanical parts gets done. Further, we have innovative solutions for blue chip consumer product manufacturers in handling their product returns – all in an effort to support a circular economy by extending the life of products and keeping them out of landfills. Because when things work better, we help our planet last longer.