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Electrical Engineer – Industrial Automation / Robotics

FlashCut CNC, an established, growth oriented, world leader in PC Based CNC controls is currently looking to hire a motivated, energetic Electrical Engineer to be part of FlashCut CNC's team of engineers in the development of our industrial automation product line in our Deerfield, IL office. We are looking for a team player with a strong interest in motion control, robotics and factory automation to produce and support motion control systems used in a variety of industrial applications all over the world.

For over 25 years, FlashCut CNC has carefully built a team of motivated, intelligent people who strive for excellence and have fun doing it. Our emphasis on creativity and teamwork in a friendly work environment has helped us become a world leader in the automation field. Everyone at FlashCut is encouraged to turn ideas and inspiration into reality.

Responsibilities include:

- Circuit design and layout
- Firmware development for embedded processors
- System design for microprocessors and communications
- Integration of our motion control product line
- Documenting firmware designs and configurations
- Collaborating with our engineering team in the development of new products
- Providing pre-sales and post-sales engineering support when necessary
- Quality assurance of new features as they are developed

The candidate must have:

- A BS or MS in Electrical Engineering
- Proficiency in:
 - Circuit board design software Altium or equivalent
 - Embedded firmware development for 8, 16, and 32 bit processors
 - CPLD or FPGA programming in Verilog, SystemVerilog, or VHDL
 - C, C++ and assembly language programming
 - Communications protocols (ie. USB, RS232, RS485, Ethernet, ModBus, CAN)
 - Use of IDE and debugging tools
 - Test equipment such as logic analysers and oscilloscopes
- Excellent verbal and written communication skills
- Excellent problem-solving skills
- Ability to multitask as a team member in a fast-paced environment
- Proficiency in MS Office

Beneficial qualifications include:

- Machine shop, CAD/CAM, CNC or automation knowledge
- Experience in motion control programming

FlashCut CNC offers very generous salary and benefits packages including:

- 100% of premium for individual health insurance
- Excellent 401K contribution from company
- Year-end bonus based on individual and company performance
- 100% of premium for life insurance
- Health club reimbursement

Highly qualified candidates please send your resume to HR@flashcutcnc.com