



[14220 PLANK STREET](http://14220.PLANK.STREET) | FORT WAYNE IN 46818 | www.APIalliance.com

POSITION DESCRIPTION

Electronic Design Engineer:

Local firm seeks highly qualified Electronic Design engineer to develop and implement product and process both hardware and software solutions. We have an immediate need for a designer who will work with state-of-the-art technologies. Experience with component selection, schematic creation as well as PCB layout within a CAD based design tool is required. Experience across multiple MCU development platforms is using desired. IDE experience with Visual Studio, C#, C++, VB, Embedded VB, and Embedded Visual C is preferred for additional ongoing projects. Mobile app experience is a plus. We provide an exciting working environment where you can make a big difference with an outstanding team.

Our fielded software and hardware solutions encompass a broad spectrum of technologies, interfaces, architectures, and operating systems. These solutions include controlling processes and routing information captured on remote edge or mobile devices located in different parts of a facility, different facilities in the same city, different states, and multiple countries via web and internet-based services. Connectivity implementations include BLE, LAN, WAN/Broadband, cellular connectivity to allow a person on their phone or tablet to monitor the status of sensors and activity while giving them I/O control to make changes, perform remote operation, and remedy emergency or alarm status.

General Description:

- Industrial, Commercial and Agricultural Operations that include hardware and software elements, new product development as well as legacy product enhancements, new function coding, and creation of supporting documentation
- Team approach with additional software and engineering members to provide turnkey solutions in a specific or custom application when called upon

The ideal candidate will be responsible for developing high-quality products. They will also be responsible for designing and implementing testable and scalable circuits and code.

Responsibilities

- Develop and implement circuit designs from Schematic Creation to Part Selection to PCB design and layout.
- Develop quality software/firmware
- Analyze and maintain existing product software
- Design highly scalable, testable code
- Discover and fix programming bugs
- Integrate with software control systems within commercial agricultural applications
- Design, develop and program circuit boards and software systems
- Collaborate with cross-functional teams to integrate control systems into overall project design
- Conduct testing and validation of control systems to ensure functionality and performance

Qualifications

- Bachelor's degree or equivalent experience in Computer Engineering, Electrical Engineering or related field
- Development experience with multiple programming languages
- Strong component and circuit level knowledge of control system principles and methodologies
- Proficiency in application development for control systems
- Ability to analyze complex problems and develop innovative hardware and software solutions
- Excellent communication and interpersonal skills

Please contact:

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