Embedded Firmware Engineer – Software Engineer

This is an opportunity to become a valued team member of the HindlePower staff. We are seeking your skills, your innovative and modern thinking, as well as your strong work ethics and values, to contribute to the success of our forward-thinking organization.   We are a truly successful organization and we are not just talking financially.

Had you been with us last month, you would have...

- Developed screens for a graphical LCD on the EVO charger as part of our patent pending Hindle Health System
- Participate in the system design and initial software structure design for an environment control system meant to replace a 3rd party PLC.
- Added new features to our BRUNO product line using CODESYS and Jmobile development platforms.
- Worked with manufacturing personnel to resolve any manufacturing issues, product issues, or documentation issues.
- Attended weekly engineering meetings and bi-weekly staff meetings which include the entire company.

A few things about us...

We were founded in 2000 from Hitran Corporation, and have experienced double-digit growth every year since. We don't focus on growth but rather the components and company attributes that please our employees. We are a Top Workplace in the Lehigh Valley for 2018.   We find when you take care of your people, they'll take care of your customers, and everyone wins. We're a company focused on moving ahead, making constant small changes that enable us to continually innovate the way we do business. We're the market leaders in our industry and have worked hard to get here.

Our appealing work environment includes highly competent co-workers, competitive pay, engaging work, flexible dress code, full health, vision, and dental benefits, 401k with employer match, and a gain sharing program. In our cafeteria, we serve free lunch every day to each employee. We work hard, have fun, and constantly strive to always get better. Innovation in our company comes from everywhere. We are a flat organization with little to no management, we trust our employees to understand how to best do their jobs and best contribute to the organization. There are a lot of things you'll learn about our culture, but the most important for any new comer is that we have a culture of accountability and self-initiative.

We have unusually high expectations of our people. Here are some characteristics that we value in each other…

Initiative…	you see it, you do it	
Ownership…	I've got it, you don't need to think about it	
Integrity…	decisions are based from our values as human beings	
Attitude…	anything can be done	
Virtue…	honesty, good deeds, kindness, and appreciation	
Teamwork…	we before I	

Responsibilities
- Design and development of embedded software using C and C++ for new and existing products
- Contribute to the overall system level software design.
- Investigate, debug, and resolve issues as part of release development
- Integrate and port source code stacks and libraries in to new and existing designs
- Flexibility to work on multiple projects and go into and out of projects as requested
- A strong commitment to quality

Requirements
- Bachelor's Degree in EE, CompE, CompSci
- 5+ years C experience in an embedded environment
- Developing embedded applications with Real Time Operating Systems.
- Extensive knowledge setting up and porting Real Time Operating Systems to embedded microcontrollers
- Experience developing serial, TCP/IP, SPI, I2C, USB drivers
- Experience developing and implementing file systems and directory structures
- Embedded webserver development
- Experience writing ISRs and programs that interact with devices at the register level.
- Excellent verbal and written communications skills

Desired
- Development experience using and configuring FreeRTOS
- Familiarity with reading electronic schematics
- Experience with and able to use oscilloscopes, meters, and other test equipment to analyze electronic component devices operating under control of software being developed
- Experience with ARM microcontroller platforms
- Modbus and/or DNP3 protocol experience
- Experience creating PLC applications with CODESYS development environment
- Development experience using Jmobile HMI software

Please provide a cover letter and salary requirements along with your resume with the title to Embedded Firmware Engineer – Software Engineer to:

employment@HindlePowerinc.com.

Thank you for your interest in our position.