Software Engineer Position

Job Title

- Software engineer

Job Duties

- Develop/support/maintain existing code
- Design and support graphical user interface, data storage, IP-based communication and USB-based communication
- Contribute detailed design, coding, integration and testing efforts
- Participate in design, development, integration and testing PC-based custom software for new products
- Partially participate in design, development, integration and testing embedded firmware and custom software for products using microcontrollers
- Travel to installation sites (mostly, automotive plants)

Required Experience

- IP-based communication protocols
- multi-threaded programing and synchronization of multi threaded applications

Desired Experience

- USB communication
- Understanding digital circuitry design, understanding of basic layout principles
- Understanding of communication protocols I2C, SPI, RS-232, and USB
- Experience with state machines, RTOS, boot loaders and bare metal programming
- Experience with in-circuit debuggers, JTAG programmers, logic analyzers, etc.
- Windows C++ development experience
- Experience with embedded Linux development on higher range microcontrollers and microprocessors
- C++17 knowledge
- knowledge in configuring PLC communication using EDS and PLC cycle