



## Embedded Software Engineer

### Description

Signum is accepting applications for an Embedded Software Engineer to join our engineering team. Our engineers develop custom electronics and firmware for various industries including off-road vehicles, oil and gas extraction, medical devices, and construction machinery. We also create cloud-based software systems for connected devices and Internet of Things applications.

### Qualifications

- Bachelor's degree in electrical or computer engineering
- Experience with programming 8-, 16-, and 32-bit microcontrollers using C/C++
- Knowledge of microcontroller peripheral configuration, serial communication, and low-level device driver development
- Understanding of bare metal and real-time operating systems concepts
- Familiarity with analog and digital circuits, signals, and sensors
- Knowledge of Wi-Fi, Bluetooth, and cellular wireless communications
- Ability to read schematics and understand circuits
- Proficiency using test equipment such as multimeters and oscilloscopes

### Responsibilities

- Create microcontroller software using the C programming language
- Low-level configuration of microcontrollers, peripherals, and operating systems
- Test printed circuit board assemblies using software and hardware tools
- Work as a member of a team under the guidance of senior engineers
- Apply critical thinking skills to solve problems and debug hardware and software
- Use best practices for software architecture, code review, and source control

### The Signum Advantage

Signum is an exciting young company positioned for rapid growth. Our employees are exposed to a wide variety of projects and work at the cutting edge of Internet of Things (IoT) technology. Competitive pay and benefits add to a culture where people are valued not only for their technical skills but also as individuals with their own unique ways to contribute to the overall vision.