

# Firmware Development engineer

## Education Desired:

Bachelor's degree in Computer Science, Computer Engineering, Electrical Engineering or equivalent experience

## Essential Job Functions:

Candidate will join a growing team developing next generation systems integrating high precision sensing technologies with advanced shock and vibration designs in a variety of applications under harsh environments. Job responsibilities include development of firmware and design and implement system software solutions to provide a high performance and robust embedded platform to application teams.

## Experience Desired:

- 3 to 5 years of hands-on experience is desired
- Design and implement software of embedded devices and systems from requirements to production and commercial deployment
- Firmware development for embedded devices, ARM cortex M3 , M4 and microchip dsPIC33.
- Design, develop, code, test and debug system software
- Interface with hardware design and development

## Knowledge Desired:

- Embedded system development
- Firmwafer development
- Expert knowledge in C/C++ , C#
- Interface protocols including USB, CAN, SPI , I2C, RS232, Uart
- Target platforms including FPGAs, microcontollers, digital signal processing
- Knowledge of Matlab, Simulink, Real time Workshop, Altium is a plus
- Knowledge of electronics, including the use of basic test equipment such as oscilloscopes and multimeters
- Knowledge of reading schematics and data sheets for components

## Essential Physical/Mental Requirements:

- Excellent written and oral communication skills
- Works independently to execute work plans, provide status updates and adjust to changing requirements.
- Strong documentation skills

## Special Requirements:

U.S. citizenship or permanent resident status required.