

APPLICATION DEVELOPMENT / EMBEDDED C PROGRAMMER

IndoTraq™ (indotraq.com) has developed the fastest and most precise wireless indoor tracking system in the world. It has a precision of ± 5 mm and updates at 200 Hz. It has a range of 100 m indoors through walls, and 300 m outdoors. The new and powerful patented technology called HSKT™ (High Speed Kalman Tracking) combines an IMU (inertial measurement unit) and an UWB (Ultra-wideband) position tracking system together. The tracking technology is similar in concept to GPS. A host of commercial applications in many verticals can leverage this technology, including virtual and augmented reality, virtual training, virtual shopping and events, wearable tracking, and autonomous robots and drones, just to mention a few.

IndoTraq's solutions give real-time visibility into everything from products and physical assets to people, providing very precise data about where things are. This allows business to use data to make better, more informed decisions, respond in real-time, and ultimately help businesses understand how they could work better.

JOB DESCRIPTION

Initially, this position will be an individual contributor. You will be responsible for the development of application firmware that will run on embedded processors. The processors will communicate with other parts of the circuit via SPI, I2C or USART.

We are looking for an individual that wants to make a profound difference in a fast-growing market and an early-stage company. This position will initially report to the CTO and may move to the VP of Engineering. We need someone who can be very hands-on, who can roll up their sleeves and do whatever it takes to achieve development goals.

REQUIREMENTS

- Experience developing application firmware (C) for embedded processors (ARM, PIC, DSP)
- Experience developing application software (C/C++/C#/Java) to interface the embedded processor to high level operating systems
- IC communications (SPI, I2C, USART)
- Electrical circuit design (RF / EMI / EMC) a plus
- UWB TOF / TDOA experience is a plus
- Experience with motion control and tracking is a plus
- Bachelor's degree in engineering required; advanced degree (MS, PhD) in Mechanical Engineering or Electrical Engineering is preferred
- Experience writing firmware for embedded electronics
- Able to provide technical leadership, support, and troubleshooting to business partners and customers
- Highly effective technical writing skills (support documentation)
- Excellent English language communication skills
- Must be a permanent US resident

TRAVEL REQUIREMENTS

- Able to travel and provide hands-on support for demonstration and support of new products

LOCATION

Office is located in Dallas, Texas. Prefer candidates that already live within commuting distance or are flexible to relocate. However, working remotely may be an option.

COMPENSATION

We offer a very competitive compensation package that includes salary and/or equity share in the company.