

Job Description for Embedded Software Engineer

Hitachi Kokusai Electric Comark is a world market leader in transmitters and RF support equipment for Broadcast Television and Scientific applications. We develop future proof solutions for our customers, and help them with their installation, service and support

Comark is seeking a self-motivated Embedded Software Engineer to join our Control Systems Development team to assist in design and development of control system firmware for our products. This position is in our corporate headquarters in Southwick, Massachusetts.

Responsibilities

- Design, program, test, and debug firmware for embedded devices and systems
- Provide technical leadership for product design, development, integration, testing and reliability improvements
- Support other software development areas including GUI development, algorithm development, alarm handling, etc.
- Ability to document, interface with customers, and work with various inter-departmental teams (production floor, field services, sales, etc)
- Assist management with the successful running & administration of engineering projects
- Progress items to required timescales so that overall project milestones are achieved

Who You Are

- 3-5 years of experience in direct, hands-on development and troubleshooting on embedded devices
- Must have experience in C programming
- Object-oriented development experience is required
- Solid programming experience in a RTOS utilizing threading, concurrency, event/message and interrupt constructs is required
- Experience with STM32 chipsets is required
- Experience with C# (Visual Studio) is highly desired
- Experience with embedded peripherals including CAN, SPI, I2C, UART, ADC, DMA, timers are highly desired
- Self-motivated and ability to work in a start-up type environment is highly desired

Experience & Qualifications

- Solid programming in C: 3-5 years (required)

- Object oriented programming background: 3-5 years (required)
- Experience in embedded software development with a solid understanding of the design life cycle (required)
- Knowledge of STM32 IDEs, and associated embedded C compilers is required (required)
- Experience of using C# for development of windows applications for test & development an advantage (desired)
- Some complementary electronics design experience (desired)
- Experience of using source control, code review and bug tracking tools (desired)