



Embedded Systems / Embedded Software Engineer

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Intelligent Product Solutions (<http://intelligentproduct.solutions>) is a leading product development professional services company. The leadership and senior engineering team are deeply talented with unparalleled experience in industry and consulting services. Our client base includes some very well-known Fortune 100 brands as well as budding startups. Because of our explosive growth, we are seeking talented individuals to join our team.

Our company is seeking highly motivated application software engineers who would enjoy working on diverse and challenging products. We are looking for individuals who have high creativity balanced with strong engineering fundamentals. We seek developers experienced in multiple environments with expertise in a diverse set of programming languages and technologies.

This is an embedded software development position where the individual is expected to perform direct hands-on development for embedded software on client projects. We are engaged in all phases of the software development lifecycle, from requirements to deployment, constantly working iteratively and delivering quality product through agile development practices. Prior experience in performing bare metal and RTOS based software development is a must.

The ability to work with cross-functional engineering teams is required. We seek high-energy individuals who are self-directed, take responsibility and are able to manage their individual work; satisfying customers who expect on time and budget delivery that meets or exceeds requirements. Outstanding communication and interpersonal skills are required as this position will require frequent contact with our clients on a technical and business level.

Position Embedded Software

JOB REQUIREMENTS & QUALIFICATIONS

Requirements:

BS in Computer Engineering or Electrical Engineering and excellent coding skills in embedded C are required. This is a **mid-level** position. We seek individuals with the following qualifications:

Comfortable in fast-paced, diverse environments

Thrives in a collaborative, team-focused culture that values the benefit of the whole over the benefit of the individual

US Citizenship (preferred)

5-8 years' experience

"Bare Metal" embedded software development

Experience with protocols and secure communications over Wi-Fi, WAN, and BLE

Experience in embedded RTOS application level and middleware software development

Experience with 3G/4G modem control and device provisioning, GSM specifications, and AT modem command sets and mobile phone provisioning.

Excellent coding skills in embedded C and C++

Ability to perform software and basic hardware debugging

Ability to read and understand hardware device datasheets, schematics

Development experience in embedded hardware systems involving microcontrollers (especially ARM architecture based designs) is highly desired

Experience with ST Microelectronics ARM Cortex-M microcontrollers (STM32Fxxx) and ST Microelectronics HAL drivers is a significant plus

Familiarity with Linux a plus

Test-Driven development, Continuous Integration and other Agile practices.

Familiarity with hardware debugging tools such as oscilloscope, logic analyzer, etc.

Position is for contract to permanent