FIRMWARE ENGINEER- (SENIOR / MANAGER)
ID: 20201124
Job Location: Pune, Bangalore

IZiel Healthcare is an Engineering & Regulatory service provider working with global medical device manufacturers. We partner with customers to support them for all aspects of Product Development Life Cycle.

Employees are the key to success in our organization. We value our engineers and their skills in furthering the cause of helping lives. Thorough leadership, robust work planning methodology and exceptional customer service are the key enablers of our success.

POSITION DESCRIPTION:

Firmware Architect is responsible for developing system requirements, system architecture and design, system test requirements, security requirements and establish a system architecture/design approach based on those requirements aligned with the defined coding standards. The selected candidate must have a background in embedded software development, Cloud iOT applications, devices/system interaction and troubleshooting, and will be involved in all aspects of the product development process (concept, design, implementation, validation, verification, compliance and production). The selected candidate will interact frequently with project management both locally and with global team.

POSITION RESPONSIBILITIES:

- Must have worked on complex systems involving embedded Firmware, secure connect with external world.
- Strong technical knowledge in relevant area of expertise - Embedded Applications, Linux / RTOS & non-RTOS based system design, device drivers, communication protocols, microprocessors and 16/32-bit micro-controllers and FPGA.
- Strong expertise, working experience and competence in C/C++, exposure to assembly language.
- Working knowledge on communication standards like Ethernet, TCP/IP, Wi-Fi, Bluetooth, Lora etc.
- Strong & diverse technical skills including an ability to use H/W scope probes, in-Circuit-Emulators, Simulators or Debuggers for trouble shooting - Strong in embedded products design.
- Systems/Subsystem/Interfaces/Modules/Devices.
- Hands-on experience using embedded modeling tools in design & analysis
- Passionate to learn newer trends / technologies, should be strong in adapting the tools for the same.
- Must be a strong team player, action oriented, highly motivated self-starter, bring a positive, can-do attitude to the work place each day
- Experience in Board bring up activities, U-Boot, Root file systems& interfacing external peripherals.
- Expertise in product development of multi process/thread applications, Inter process communications on multi core systems.
- Expertise in shell scripting and Open source build environments, tool chains.

POSITION REQUIREMENTS:

- Good knowledge in microprocessor, FPGA.
- Adequate knowledge of various architecture such as cloud, distributed systems
- Working knowledge of Architectural dev tools like Rhapsody, MATLAB, Simulink,
- Basic knowledge in Python or other high-level language with middle ware experience

DESIRED/PREFERRED QUALIFICATIONS:
- BE in Electronics & Telecom / M.E./MTech in Electronics & Telecommunication
- 10+ year experience in a Firmware.
- Proven expertise in all aspects of product development process, right from conceptualization to field deployment to support.
- Experience in Client handling and client coordination.
- Willingness to travel, if required
- Strong Communication skills (Written & Oral)
- Team Player & Management Abilities.
- Experience in client co-ordination