

SENIOR EMBEDDED ENGINEER

Drive development of our products from start to finish. Be part of a fast-growing, high-potential, deep-tech start-up. Join our mission to develop advanced diagnostics and make it accessible to low resource settings in India.

About Company (www.adiuvodiagnostics.com) :

Adiuvo Diagnostics is a Techno-Social Enterprise, aimed at developing diagnostics devices in HealthCare affordable. We are a start-up, having expertise in Optics, Electronics, Microbiology.

We are looking for candidates with a Start-up mentality, driven, proactive, flexible, problem solver, team player who enjoys inventing, building set-ups, doing pragmatic tests with an ability to independently develop products, while knowing when to ask for support. Candidates should have 4+ years of product development experience involving embedded hardware, software. Having background experience in Optics is an additional plus.

JOB DESCRIPTION:

- Understand the product requirements and develop a project plan through design thinking approach. You will be responsible to detail out with respect to Electronics, embedded hardware and the software efforts required.
- Choosing the right components required to execute the requirement and having extensive experience in micro-controller (ARM Cortex M7, STM32, NXP Kinetis, Microchip PIC32 etc.) Prior experience working with Qualcomm chipsets is a plus.
- Proficient in Embedded software development.
- BOM Generation, Board Bring up and testing experience
- Excellent knowledge of 32-bit micro-controller/microprocessor architecture and operating system concepts.
- Expert in Python, C, C+
- Ability to Understand the Legacy Software Platforms and make relevant modifications/feature additions/Improvements/Bug Fixing.
- Hands-on with PCB Design and Layout tools, Hands-on with Analog and Digital Circuit Design, Hands-on with efficient Power supply design.
- Knowledge of EMI/EMC and SI tests is a plus
- Good understanding of Key Peripherals: USB, Ethernet, DDR, PCIe, CAN, SPI, I2C, UART, I2S.
- Good understanding of wireless protocols like NFC, Bluetooth & WI-FI.
- Strong ability in Failure & faults root cause analysis In-house/Customer site.
- Experience in image processing and understanding basics in Machine Learning/Deep learning concepts is a plus.

Reg Address: 1/206 N.C. Balaiah Nagar, Nawabpet, Nellore, Andhra Pradesh 524002

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