



About iTAS Innovations

iTAS Innovations believes in the ideas that enrich the quality of living by adopting minimalistic solutions philosophy, offering technological solutions, relevant to the present and at the same time to be future proof. With ever-increasing demand for “more with less” mantra, with limited natural and man-made resources, paradigm shift to minimalism is the need of the hour. iTAS innovations specializes in the field of embedded product design and services, that is geared-up to offer innovative, cost-effective product solutions and services. With the average industry experience of 25+ years in the field of embedded systems, iTAS Innovations is currently focusing to serve in the areas of Consumer Lifestyle, Networking, Health & Wellbeing and Sustainable living..

Job description: Sr. Software Engineer – Embedded Systems

We are seeking a highly skilled Embedded Software Engineer with hands-on experience in C programming, Linux Internal, Embedded Linux, Kernel level programming. The successful candidate will be responsible for designing, developing, and testing firmware. The candidate should have a strong background in developing embedded systems and be able to work collaboratively with cross-functional teams to deliver high-quality firmware solutions.

Roles and Responsibilities:

- Design, implement, test, and maintain embedded firmware/software for multiple chipset variants/platforms(boards)
- Technical lead development team
- Technical interface with Customer/Platform/Validation teams
- Triaging of issues, debug, and fix issues

Skills and competencies needed

- Interfaces/ Communication protocols: BLE, Wi-Fi, SPI, I2C, USB, SDIO, UART, Ethernet
- Processors: STM32 series, TI Processors, NXP processors, Qualcomm etc.
- Proven experience with minimum two years in C programming, Linux Internal, Embedded Linux, Kernel level programming, Device Driver Programming, Multi-Threading in latest Linux Operating System.
- Capability to write thread safe codes.
- Proven experience in Security testing.
- Roven experience of working in Network Programming, file systems, memory Management, and inter-process communication in Linux.
- Ability to compile and use open-source libraries.
- Ability to write build scripts and knowledge of build systems such as Makefile, CMake, Ninja.

- Development skills in Linux environment using GNU compiler tools, Knowledge of GNU Debugger GDB.
- SW development/ configuration tools: STM32Cube, STM32 IDE, GIT/SVN
- Excellent verbal and written communication skills
- Ability to work independently and as part of a team.
- Attention to detail and ability to meet tight deadlines.
- Experience in Technical Documentation.
- Static Code Analysis using Parasoft, Klocwork, Etc.

Education

- B.E/ Btech/MTech/ MS (Engineering or Research) with CGPA 6.5 or higher

Experience

- 2-6 years

Contact – careers@itasin.com