

Senior Embedded Software Developer

Your tasks

Key Responsibilities:

- Own a module and work closely with the team lead to develop key features.
- Design, develop, and test embedded software for various applications.
- Integrate software and hardware components in collaboration with hardware engineers.
- Develop and maintain software documentation, including design specifications, test plans, and user manuals.
- Participate in code reviews and provide constructive feedback to peers.
- Debug and troubleshoot software issues in embedded systems.
- Optimize software for performance, memory usage, and power consumption.
- Collaborate with cross-functional teams to define and implement software requirements.
- Ensure compliance with industry standards and regulations, such as ISO 26262 and MISRA.
- Apply the latest software design methodologies, including design patterns and static/dynamic code analysis.
- Identify, prioritize, and execute tasks in the software development life cycle.
- Write clean, efficient, and maintainable code following best practices and coding standards.
- Document solutions using flowcharts, layouts, diagrams, and charts.
- Collaborate with internal teams to fix and improve products.

Requirements:

- Strong experience in embedded software development using C/C++ for embedded Linux applications.
- Advanced knowledge of wired and wireless communication protocols (e.g., CAN, ISOBUS, GMSL2, MIPI, Ethernet).
- Advanced knowledge of secure data storage and transmission.
- Advanced skills in testing and continuous integration (hardware-in-the-loop) for embedded devices.
- Experience with real-time operating systems (RTOS) and bare-metal programming.
- Familiarity with CI/CD pipelines and tools (e.g., Jenkins, GitLab) for automating builds, testing, and deployment processes.
- Strong skills in version control systems like Git for code management and collaboration.
- Experience in using various tools for unit testing and code quality.
- Understanding of software development methodologies, such as Agile and Scrum.
- Knowledge of hardware design and schematics is a plus.



Job ID
REF79048T

Location
Bengaluru

Leadership level
Leading Self

Job flexibility
Hybrid Job

Legal Entity
ContiTech India Pvt. Ltd.

- Experience with safety-critical systems and standards (e.g., ISO 26262) is a plus.

Experience

- Around 5 to 8 years of experience overall
- 4+ years experience in embedded development
- 2+ years in linux application development
- 2+ years in CICD topics
- 3+ years in Agile delivery
- 2+ years in Camera

Your profile

- BE in engineering with focus on computer science / software engineering
- MCA with professional experience
- Other relevant education streams with strong tech experiences can be considered

Our offer

Other skills

- Experience of agile software development methodologies
- Excellent communication skills in English (spoken and written)
- Great team player and ability to work in a highly international team
- Willingness to sometimes travel nationally and internationally to various Continental locations and external development partner locations.
- Willingness & drive to learn new things.
- Experience working in tools like JIRA, Confluence, GIT, Jenkins etc.
- You will be part of India Delivery center in Bangalore.
- Work from home options [Hybrid Model]
- Some travel needed (domestic/international).
- Other benefits like leaves, insurance, PF, Gratuity et

Ready to drive with Continental? Take the first step and fill in the online application.

About us

Contitech Industries is part to Continental AG. Headquartered in Hannover, Germany, the division contributes to Euro 6B+ to Continentals Euro 40B+ turnover.

The Digital products team of Contitech caters to all the Business Units in

Contitech and responsible for envisioning software products using web, mobile, IoT, AI, Embedded Systems, Data Science and engineering etc and plan the roadmap.