

C/C++ Software Engineer Automotive OEM

At Garmin, we create products that solve complex problems and make people's lives safer, healthier and more enjoyable. Our advanced technology promotes performance, safety and ease of use in every market we serve. But the same vertical integration business model that keeps all design and manufacturing processes in-house also gives us the incentive to hire top performers from different backgrounds.

We are looking for a full-time Embedded C/C++ software engineer to develop low-to-mid level software in the Automotive Team based in Cluj.

If you are interested in working on Automotive Infotainment, Cameras, Clusters and/or other vehicle systems, this is the position for you! Check out one of the cool products we introduced at 2018 CES:

<https://www.youtube.com/watch?v=6h29pRI57ul&feature=youtu.be>

Summary of the role:

Engineers develop software in C and C++ on Linux and/or Android platforms. They write unit and integration tests and work collaboratively and professionally with other Garmin associates.

Our future colleague **responsibilities** will be to:

- Create and execute designs for new functionalities as part of a software project
- May perform as a technical leader or Lead Software Engineer for derivative software project
- Collaborate and add value through participation in peer code reviews, providing comments and suggestions
- Provide reliable solutions to a variety of problems using sound problem solving techniques
- Perform technical root cause analysis and outlines corrective action for given problems
- Work in both an Agile and Waterfall software development environments
- Expertise and passion in trunk-based development and good understanding of (SDLC) Software Development Lifecycle
- Serve as a mentor to less experienced software engineers
- Estimate level of effort, evaluate new options of similar technology, offer suggestions to improve processes, and provide comments on some electrical design aspects

Skills and knowledge needed to succeed:

- Demonstrates proficient knowledge and utilization of engineering tools necessary for successful performance of the essential functions of this job description
- Demonstrates proficiency and experience necessary to develop moderately complex software in C, C++
- Demonstrates mastery of relevant software engineering tools (configuration management systems, build processes, debuggers, emulators, simulators and logic analyzers)
- Experience programming on ARM/Intel multi-core processors
- Experience with Linux/Android
- Experience with Hypervisors, BSP Development, Wi-fi, BT (Bluetooth), V2V, V2X, IoT, Ethernet, Ethernet AVB, CAN, Diagnostics, Functional Safety (ISO26262), Connectivity, video / audio codecs, video acceleration/compositing/streaming and optimization, augmented reality

Desirable **qualifications and background** include:

- BSc in Computer Science, Electrical Engineering, Computer Engineering, or other similar technical field
- Career level: Senior engineer
- Must possess a minimum of 5 years of work experience programming in C/C++ and Linux
- Experience developing for consumer products is highly preferred