# Garmin

## Embedded Software Engineer

**Overview**

We are seeking a full-time Embedded Software Engineer (C/C++/Android Open Source Project) for our Auto OEM team to develop low-to-mid level software at our beautiful office in Cary, NC. If you are interested in working on Automotive Infotainment, Cameras, Clusters and/or other vehicle systems, this is the position for you!

**Essential Functions**

* Develop software in C and C++ on Linux and Android OSP platforms
* Test software using debuggers, emulators and simulators
* Perform software releases and software quality assurance activities
* Write unit and integration tests
* Creates and executes designs for small sets of new functionality as part of a software project
* May perform as a technical leader or Lead Software Engineer for derivative software project
* Collaborates and adds value through participation in peer code reviews, providing comments and suggestions
* Provides reliable solutions to a variety of problems using sound problem solving techniques
* Performs technical root cause analysis and outlines corrective action for given problems
* Works 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
* Work collaboratively and professionally with other Garmin associates
* Estimate level of effort, evaluate new options of similar technology, offer suggestions to improve processes, and provide comments on some electrical design aspects
* Apply Garmin’s Mission Statement and Quality Policy and enthusiastically exhibit a desire to see Garmin succeed

**Basic Qualifications**

* Bachelor’s Degree in Computer Science, Electrical Engineering, Computer Engineering, Software Engineering, Aerospace Engineering, Math, Physics or related field AND a minimum of 5 years relevant experience OR an equivalent combination of education and experience
* Excellent academics (cumulative GPA greater than or equal to 3.0 as a general rule)
* Possess a minimum 5 years of work experience programming in C/C++/Linux and AOSP
* Demonstrates proficient knowledge and utilization of engineering tools necessary for successful performance of the essential functions of this job description
* Must demonstrate proficiency and possess experience necessary to develop moderately complex software in C or C++
* Demonstrates mastery of relevant software engineering tools (configuration management systems, build processes, debuggers, emulators, simulators and logic analyzers)

**Desired Qualifications**

* Experience programming on ARM/Intel multi-core processors
* Experience with Linux/Android, Hypervisors, Containers (LXC), Yocto, QNX, INTEGRITY, BSP Development, Wi-fi, BT (Bluetooth), V2V, V2X, IoT, Ethernet, Ethernet AVB, CAN, Diagnostics, Functional Safety (ISO26262), Connectivity, Camera ISP (image signal processing), video / audio codecs, video acceleration/compositing/streaming and optimization, or augmented reality
* Experience developing for consumer products

## Full-Stack Web Developer

**Overview**

We are seeking a full-time Full Stack Web Developer for our Boulder, CO location who will be joining a fast-paced startup-like environment. The Garmin team is helping to deliver the ultimate dog tracking and hunting products to Garmin users. Garmin Dog products strive to build a better dog with devices for tracking and training. From obedience to hunting and limiting nuisance barking, get exactly what you need to make life with your hunting buddy that much better!

In this role you can expect to love building responsive and dynamic web experiences, and not be afraid to dabble in other areas of the tech stack. Like to nerd-out over design patterns, clean architecture and extensibility? Better yet, have you developed and deployed web services on a professional product team? Well then, we have a job for you!

**Essential Functions**

* Collaborates with a multi-discipline team to design, build, test, and debug microservices to support Garmin hardware and mobile apps
* Architects custom integrations with Garmin web services by implementing clean, extensible design patterns in Java Spring Boot
* Creates and manages CI/CD automation for building, testing, and deploying to AWS and other cloud platforms
* Utilizes tools such as Git, Bitbucket, and JIRA to manage code, features, and releases
* Collaborates on Agile Scrum ceremonies, peer code reviews, and design sessions, estimating level of complexity and suggesting improvements to process or solutions
* Mentors less experienced software engineers and own software components
* Supports production environment as part of a rotating schedule providing on call support of Garmin’s 24/7 operations

**Basic Qualifications**

* Bachelor’s Degree in Computer Science, Electrical Engineering, Computer Engineering, Software Engineering, Aerospace Engineering, Math, Physics or related field AND a minimum of 1 year relevant experience OR an equivalent combination of education and experience
* Excellent academics (cumulative GPA greater than or equal to 3.0 as a general rule)
* Demonstrated proficiency and experience necessary to develop moderately complex software in Java, Kotlin, JavaScript/ECMAScript or other similar languages.
* Proficient knowledge, utilization and mastery of relevant software engineering tools such as configuration management systems, build processes, debuggers, emulators, test automation)

**Desired Qualifications**

* Outstanding academics (cumulative GPA greater than or equal to 3.5)
* Previous work or internship experience in design, particularly for consumer products
* Spring Boot, Spring MVC, Spring Security, and Microservices architecture
* API development using RESTFul services and HATEOAS
* MQTT, CoAP, or other application layer protocols
* Relational Databases like Postgres SQL
* Front-end frameworks like React, Vue, Angular and Single Page Applications
* MVVC, MVC, MVP or other UI/UX patterns
* AWS, Google Cloud, OpenStack or similar cloud platforms
* Docker, K8s or similar container orchestration frameworks
* Mapping SDKs like MapBox
* Protobuf or light-weight serialization
* Push notification services like GCM, APNS, and Firebase Messaging
* Pipeline development using BitBucket/Bamboo, GitLab, or GitHub
* OAuth, SSL Certificates, and DNS
* Migrating legacy codebases and or legacy Spring + JSP
* Previous work with multi-discipline teams (mechanical, electrical, firmware, software)
* Cross-platform technologies like Flutter
* Developing mobile apps

# Booz Allen

## Software Engineer, Junior

The Opportunity:

As a full stack developer, you can resolve a problem with a complete end-to-end solution in a fast paced and Agile environment. If you’re looking for the chance to not just develop software, but to help create a system that will make a difference, we need you on our team. We’re looking for a developer like you with an appetite to learn and the skills needed to develop software and systems from vision to production ready. This role is more than just coding. As a full stack developer, you’ll use your passion to learn new tools and techniques and identify needed system improvements. You’ll help clients overcome their most difficult challenges using the latest architectural approaches, tools, and technologies. You’ll help make sure the solution developed by the team considers the architecture and operating environment, including future functionality and enhancements.

Work with us as we shape systems for the better.

Join us. The world can’t wait.

You Have:

Experience with working in a software development life cycle framework, developing across an entire stack of technologies, including full-stack development

Experience with programming or markup languages, including JavaScript, Python, XML, HTML, CSS, JSON, or YAML

Experience with software version control systems, including Git

Experience in interfacing with SQL and NoSQL technologies, including Oracle and MongoDB

TS/SCI clearance

HS diploma or GED

Ability to obtain a Security+ CE, SSCP, CCNA-Security, or GSEC certification within 90 days of hire

Nice If You Have:

Experience with Linux operating system and command-line interfaces

Experience with Amazon Web Services

Experience with tools for geospatial development, including GeoPandas, Shapely, GDAL, and RasterIO

Experience with the ESRI suite of applications

Experience with Docker

Experience with Atlassian tool suite, including JIRA and Confluence

Experience with Agile development techniques and ceremonies, including SCRUM and KANBAN

Possession of excellent verbal and written communication skills

Bachelor's degree

AWS certification