https://www.linkedin.com/in/aksh-ravishankar/

https://github.com/itsjustaksh

# 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

## Connectivity Software Engineer 1

We are seeking a full-time Connectivity / IoT Software Engineer 1 at our site in Cary, NC. In this role, you will deliver software features for a diverse set of innovative products such as next generation dashcams, Fishfinders, Chartplotters, and personal navigation devices tailored for off-roading, racing, trucking, and recreation. We push the limits of wireless connectivity to deliver advanced features such as remote device monitoring, live video streaming, Group Ride setup, automated cloud storage uploads, automatic software and map updates, machine learning, speech recognition, and many more unique capabilities.

**Essential Functions**

* Prototype and productize software features in a fast-paced environment
* Design and deliver high-quality C/C++ software on embedded Linux or Android operating systems
* Analyze, debug, and resolve Wi-Fi and LTE performance and interoperability issues using wireless protocol analyzers as well as tenacity and ingenuity
* Work closely with engineering stakeholders in the Marine and Consumer Automotive teams to implement innovative IoT use-cases and to enhance existing designs to meet new requirements
* Actively participate in code reviews by giving and receiving detailed feedback to and from other engineers

**Basic Qualifications**

* Bachelor’s Degree in Computer Science, Software Engineering, Computer Engineering or related field OR an equivalent combination of education and experience
* Excellent academics (cumulative GPA greater than or equal to 3.0 as a general rule)
* Aptitude for embedded C/C++ programming, preferably on a Linux-based system
* A keen interest in wireless networking technologies and TCP/IP protocols
* Proficient knowledge, utilization and mastery of relevant software engineering tools (configuration management systems, build processes, debuggers, emulators, simulators and logic analyzers)

**Desired Qualifications**

* Outstanding academics (cumulative GPA greater than or equal to 3.5)
* Working knowledge of Wi-Fi or LTE communications protocols
* Knowledgeable with programming and scripting languages such as Java, Kotlin or Python
* Experience with Android software development

# 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.

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

# Comcast

## Engineer, Software Development & Engineering

**Job Summary**

The Technology, Product, Experience (TPX) organization works at the intersection of media and technology and our innovative teams are continually developing and delivering products and next-generation technologies that transform the customer experience. The Comcast Network and CONNECTivity (CONNECT) organization is a highly agile, fast-paced, dedicated group at the forefront of change focused on innovating, building, and operating the best in class, most reliable access network for our customers.

**Overview of the Role:**

As an Engineer on the NGAN Engineering team you will be part of a team that is building next generation access network which will help deliver HSD, Voice and Video services. The software applications we are building is a containerized, microservice-based, cloud-deployed services. We are looking for dedicated individuals that will work on applications to automate remediation of alerts, configuration generation, software deployment and solving. These applications are intended to run on our lab systems as well as on our production systems.

**Preferred Skills & Experience:**

* Employ development to write production-ready code
* Perform code reviews
* Participate in an agile Scrum software development framework
* Contribute in design and architecture sessions
* Collaborate constructively with team members

Qualifications:

* Bachelor’s or Master’s degree. Master’s preferred.
* Preferred Majors: Computer Science, Information Technology
* 3.0 minimum cumulative GPA preferred
* Experience in programming (Python, Javascript, Golang, Java)
* Experience with cloud computing ( AWS, GCL etc.,)
* Knowledge of data structure and algorithm design
* Knowledge of object-oriented programming
* Experience in development/test automation, continuous integration, and deployment automation
* Adaptable, proactive, and willing to take ownership
* Good communicator, able to analyze and clearly articulate complex issues and technologies understandably and engagingly
* Great design and problem-solving skills, with a strong bias for architecting at scale

# F5

## Software Engineer

**Position Summary**

As a software engineer on F5’s AI and Data Platforms team – Scalable Data Analytic Platform, you will be solving unique and challenging problems in querying, visualizing, performing AI modeling on data from various sources, including SQL, NoSQL, and files. At AI and Data product group, you will work with exceptional team members, leverage cutting edge technologies, and solve world-class engineering challenges.

**Responsibilities**

* Design and develop F5’s Analytic Platform allowing users to slice and dice Exabyte-scale data in fast and easy ways. Giving users the power to query across different data sources, using AI models in making predictions, and detecting anomalies.
* Research new technologies for more efficient and scalable data collection, processing, storage, and retrieval.
* Design and implement tools and methodologies so that F5 Analytic Platform is integrated with customer support systems, and can share results with customers in safe and easy ways.
* Collaborate with the product team, other engineering teams, and the operations team to design/implement/maintain cross-functional data systems for F5’s growing core business needs.

Required Qualifications

* Bachelor's degree (or above) in Computer Science or related fields.
* Proficient in one of the following languages: Java, C++, Python
* Proficient in SQL.
* Effectively communicate with clarity and conciseness both in written and verbal forms.

Desired Qualifications

* Proficient in Javascript, Scala,
* Working experience with one of the public cloud systems: GCP, AWS, or Azure.
* Working experience with one of frontend frameworks, e.g. React, Angular.
* Working experience with one of backend frameworks, e.g. Play!, Flask.
* Working experience with both relational databases and NoSQL databases.
* Working experience with Machine Learning methodologies.
* Working experience with data warehouse technologies like GCP BigQuery, AWS Redshift, Azure Synapse, Snowflake, Apache Druid, Clickhouse, etc.
* Knowledge in Petabyte-to-Exabyte-scale data processing frameworks.

# TikTok

## Cloud DevOps Engineer

**Responsibilities**

* Create, manage and integrate software to automate and secure public cloud environments
* Develop solutions that can support large capacity and scale reliably, in a 24/7 environment
* Collaborate with the Information Security operational teams to support monitoring capabilities
* Qualifications

**Minimum qualifications**

* Master’s degree (or Bachelor's degree with 3+) years of experience in Computer Engineering, Electrical Engineering, Computer Science or related major
* 3+ years experience working with Unix Linux systems from kernel to shell and beyond
* 3+ scripting experience in Shell and Python.

**Preferred qualifications**

* Configuration management
* CI/CD
* Kubernetes
* Information Security
* Database experiences or setting up big data pipeline

# Meta

## Software Engineer, Computer Vision

**Responsibilities**

* Apply relevant AI and machine learning techniques to build intelligent rich visual systems that improve Meta's products and experiences
* Assist in goal setting related to project impact, AI system design, and ML excellence
* Drive large efforts across multiple teams
* Mentor other AI Engineers & improve the quality of AI work in the broader team
* Develop custom/novel architectures, define use cases, and develop methodology & benchmarks to evaluate different approaches
* Apply in-depth knowledge of how the machine learning system interacts with the other systems around it

**Minimum Qualifications**

* Experience in one or more of the following areas: Deep Learning, Computer Vision, AR/VR, 3D Vision, Robotics, Machine Learning or artificial intelligence
* Bachelor's degree in Computer Science, Computer Engineering, relevant technical field, or equivalent practical experience
* Experience developing computer vision algorithms or computer vision infrastructure in C/C++ or Python
* Preferred Qualifications
* Experience with distributed systems or on-device algorithm development
* Experience in deep learning and PyTorch
* Experience contributing to AI Publications

## Software Engineer, Computer Vision

**Responsibilities**

* Apply relevant AI and machine learning techniques to build intelligent rich visual systems that improve Meta's products and experiences
* Consistently and sustainably advance the state of AI for your problem, including setting and executing against roadmaps for 6-month plus timeframes
* Effectively define projects for other engineers to possibly solve and achieve impact based on your direction
* Develop novel, accurate AI algorithms and advanced systems for large scale applications
* Understand why some signals and model configurations work while others don't and be able to drive more gain from these findings
* Define use cases and develop methodology and benchmarks to evaluate different approaches

**Minimum Qualifications**

* Bachelor's degree in Computer Science, Computer Engineering, relevant technical field, or equivalent practical experience
* Experience developing computer vision algorithms or computer vision infrastructure in C/C++ or Python
* Experience in one or more of the following areas: Deep Learning, Computer Vision, AR/VR, 3D Vision, Robotics, Machine Learning or artificial intelligence

**Preferred Qualifications**

* Experience with distributed systems or on-device algorithm development
* Experience in deep learning and PyTorch
* Experience contributing to AI Publications

## Software Engineer, Systems ML

**Responsibilities**

* Apply relevant AI and machine learning techniques to build & optimize frameworks for AI researchers
* Assist in goal setting related to project impact, AI system design, and ML excellence
* Drive a vision for the direction of AI research and how tooling can assist
* Mentor other AI Engineers & improve the quality of AI work in the broader tea
* Develop custom/novel architectures, define use cases, and develop methodology & benchmarks to evaluate different approaches

**Minimum Qualifications**

* Experience developing AI algorithms or AI-System infrastructure in C/C++ or Python
* Bachelor's degree in Computer Science, Computer Engineering, relevant technical field, or equivalent practical experience
* Specialized experience in one or more of the following machine learning/deep learning domains: ML systems: AI infrastructure, optimization, high performance computing, machine learning compilers, GPU architecture, machine learning frameworks, Inference

**Preferred Qualifications**

* A track record of publication in major AI Conferences or a demonstrated history of launching successful open-source AI tools

# Cadence

## Software Engineer - New Graduate

Cadence is hiring new graduates to join our software R&D teams in San Jose, Austin, Burlington/Boston, Cary, and Pittsburgh. This is an amazing opportunity to work as a software engineer at a world leader in computational software. Our customers are the world’s most innovative companies, delivering extraordinary electronic products from chips to boards to complete systems for the most dynamic market applications including hyperscale computing, 5G communications, automotive, mobile, aerospace, consumer, industrial, and healthcare. As a software engineer, you will help design and develop some of the most complex software tools used by designers across multiple verticals. We use advanced math, computer science, graph theory and machine learning to turn design concepts into reality.

Responsibilities will include software development, debugging and fixing of software errors, implementing new features, along with writing and running tests.

Position Requirements

* MS/BS in computer science, electrical engineering, computer engineering, or a similar major.
* Strong understanding of software data structures, algorithms, and proficiency in C or C++.
* Exposure to Cadence tools is a plus.

Accelerate Your Career

As part of your experience with Cadence, you will join a new class of professionals in our College Hires and Internship Program (CHIPs). Through this program you’ll receive special opportunities to develop your leadership capabilities, learn from Cadence executives and other industry leaders, and socialize and network with your peers.