

Teknopark İstanbul'da faaliyet gösteren Anayurt Teknoloji (<https://www.anavurtteknoloji.com.tr>) isimli firmanın öğrencilerimize yönelik iş ilanları ilgili sitededir, firma aynı zamanda yaz stajı ve uzun dönem staj gibi imkanlar da sunmaktadır.

Senior Embedded Software Engineer (C++)

About the Company

Headquartered in Ankara with branch in Istanbul, we are an ASELSAN certified defense contractor that provides advanced systems and services for commercial, military and government customers worldwide. We specialize in wireless communication, signal processing algorithms, communication protocols, RF/Digital PCB design, HF/VHF/UHF signal communication signal processing, spectrum tracking systems, FPGA based system design as well as enterprise scale software solutions.

Established in 2015, our team is comprised of 3 PhDs, 9 MSc, and over 25+ BSc engineers from diverse backgrounds, and among us we have over 100 years of experience. Together we have completed over 10 major projects that requires Software, Hardware, Embedded development ranging from Network Monitoring Systems, Voice Recording Systems, IOT/Automation systems to RF/Digital Signal Processing Hardware for notable customers such as Tubitak, Aselsan.

With new exciting projects, we have multiple positions for Embedded Software engineers who are hard-working self-motivated, willing to improve her/his skills and share knowledge across the team.

Required Qualifications

- Degree on EE or CS Engineering or proof of ability in the listed requirements
- Hands-on experience with ARM based (**STM32**) microcontrollers & **ESP32**
- Good knowledge and experience on C, C++, Python languages
- Experience on **FreeRTOS** and/or EmbeddedLinux
- Knowledge and experience on TCP/IP, UDP, RFID, LoRa, BT, BLE, WiFi, UART, SPI, I2C

Preferred Qualifications

- Proven experience on C++ will be a major plus
- Ability write test benches with QT, C#, Python or similar
- Android, iOS development experience
- Knowledge on modeling languages
- PCB design experience

Job Description

- Developing software for managing sensors / devices over wireless and wired links
- Modeling the system according to the specifications
- Bring-up of custom designed microcontroller based hardware
- Debugging the hardware to find-out possible issues
- Software optimization for low power consumption
- Involvement in field test and debugging
- Working in an Agile team of hardware designers

Location

- Teknoparkİstanbul

About the Company

Headquartered in Ankara with satellite offices in Istanbul and London, we are an Aselsan certified defense contractor that provides advanced systems and services for commercial, military and government customers worldwide. We specialize in wireless communication, signal processing algorithms, communication protocols, RF/Digital PCB design, HF/VHF/UHF signal recording and spectrum tracking systems.

Established in 2015, our team is comprised of 3 PhDs, 9 MSc, and over 20 expert engineers from diverse backgrounds, and among us we have over 100 years of experience. Together we have completed over 10 major projects ranging from Network Monitoring Systems to IOT systems for notable customers such as Innova, Tubitak, Aselsan, Türk Telekom, and the Republic of Turkey Ministry of Industry and Technology.

With new exciting projects coming up, we have multiple Software Engineer openings across various teams. We're looking for self-motivated people who are willing to learn new programming languages, tools and technologies.

Why join us?

We are an innovative company embracing new technologies constantly

We provide room for growth and collaboration opportunities with expert engineers and experienced managers

We have competitive compensation and excellent benefits

Basic Qualifications:

BS/MS degree in Computer Science, Software Engineering or a related subject

Proven hands-on software development experience

Working knowledge in **Java/Javascript/C++** programming language
Experience in building web applications with **React.js**. Strong JavaScript fundamentals.
Experience with Webpack, HTML5, CSS3, and general Web 2.0 techniques
Experience with using **REST APIs**
Experience with performance debugging and optimization tools.
Investigate and identify issues, root causes and bring sustainable solutions.
Develop UI components, test plans and documentation
Object oriented analysis and design using common design patterns

Preferred Qualifications (One or multiple of the following):

Experience in VOIP communication and Session Initiation Protocol (SIP)
Experience in Spring Boot, Node.js, web based application development
Experience in Cloud Deployment, AWS, Huawei CS...
Experience in Qt
Non-relational databases (MongoDB)
Relational databases (MYSQL or PostgreSQL)
Microservice architecture
Experience with Testing frameworks (i.e. Cypress, Jest, Mocha, Jasmine)

Responsibilities:

Writing clean, high-quality, high-performance, maintainable code
Designing web-based applications from scratch
Develop and support software including applications, database integration, interfaces, and new functionality enhancements
Modeling the system according to the specifications (UML)
Coordinate cross-functionally to insure project meets business objectives and compliance standards
Support test and deployment of new products and features
Deployment and maintainance of services in Cloud

Location

•Teknoparkİstanbul