Middle/Senior C Developer (Automotive)

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Company: Sigma Software

Location: Romania

Category: computer-and-mathematical

Overview

Required skills

C / strong English / strong

We're actively seeking a C Developer with a keen understanding of the automotive domain to join our team.

This role requires individuals capable of integrating advanced analytical skills into their work, contributing to innovative teams that cater to our clients' specific needs in this sector.

If you possess a strong analytical mindset and are passionate about making a difference in the automotive industry, we welcome your expertise to enhance our projects and client services.

Ready to dive into this exciting project?

Customer

Our client is at the forefront of innovation, pivotal in spearheading the global transition towards electromobility right from its inception. Our international team collaborates globally, focusing on creating efficient, high-tech products for sustainable mobility.

We adeptly adapt to meet the rigorous demands of both our clients and projects.

Project

Join our team spearheading the groundbreaking Inductive Charging project, which is transforming conventional electric vehicle charging methodologies.

As a part of this forward-thinking project, you'll contribute to reshaping the electric vehicle industry by introducing a hassle-free and user-friendly charging method. Our goal is to

enhance sustainability and convenience in electric transportation, promoting wider adoption of electric vehicles. By participating in this project, you'll play a crucial role in advancing infrastructure and technology that leads toward a greener, more sustainable future.

Requirements

Proficient in writing high-quality C code

Thorough understanding of Electronics and Hardware Systems

Proficiency in widely used platforms (ST, SiLabs, NXP, TI), interfaces, and protocols (UART, I2C, SPI, Modbus)

Extensive experience with CAN and CANbus

Familiarity with FreeRTOS and bootloaders

Proficient in debugging and troubleshooting embedded systems, including software debugging on actual hardware and resolving hardware issues

Upper-Intermediate level of English

Willingness to travel for business purposes

WOULD BE A PLUS:

Practical exposure to Automotive Processes (ASPICE)

Practical knowledge of Functional Safety (ISO26262)

Hands-on experience with AUTOSAR Classic

Previous work experience in software engineering for real-time embedded systems, automotive electronics, or Battery Management Systems

Experience with inductive charging systems

Responsibilities

Develop software components using Automotive standards in C language

Contribute to the creation of technical project documentation and user manuals

Participate in conference calls and face-to-face meetings with customers and their partners

Adhere to the project's best engineering practices, technical standards, and quality criteria

Provide regular progress reports aligned with the project and company requirements

Identify and propose improvements for current development deficiencies, procedures, engineering practices, and environment configurations

Escalate technical issues to the Architect, Team Lead, and Project Manager

Enhance expertise through attendance at training courses, seminars, or educational programs within relevant fields

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Cross References and Citations:

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