R&D ENGINEERS

Company Description

Joining the CAF Group means being part of a highly qualified team and enjoying personal and professional growth. The CAF Group enables you to develop your professional career based on an industrial project of international scope with a high technological component.

We cover our needs through Selective Processes in which we value the professional and personal training and education of the candidates, recruiting when a relationship that is beneficial and good for both parties is established.

Information

Deadline: 2019-04-30
Category: Business
Province: Gipuzkoa
Country: Basque Country
City: Beasain

Company

CAF

Main functions, requisites & benefits

Main functions

We require engineers with an R&D vocation to manage and develop research projects in collaboration with other affiliated technological companies of the CAF Group, other companies, Technology Centres and Universities. The main function will be to handle coordination and leadership in research projects orientated to applications related with train digitalization and the integration of complex electronic systems in railway vehicles. Will also develop embedded system software for railway systems electronics development projects.

Requisites

Industrial Engineering, Telecommunications, Automatic or Electronic. Other specializations to be evaluated. Proven experience in a similar position. High level of Basque and English. Knowledge of Digitalization: On-board register and monitoring, data transmission, intake and storage in Big Data infrastructure, data exploitation, advanced analytics, communications (TCN/Ethernet), cyber-security etc. Specific qualification or certificate in project management (PMP or similar). Availability to travel (European projects). Highly valued: experience in embedded systems programming in real time. Experience in SW development in the railway sector (automated train functions programming, signalling, traction and railway simulation environments). Experience with programming language: C/C++, ADA, Java etc. Experience in the development of low-level software. Microprocessor programming, development of drivers, operative systems in real time etc. Experience in the use of operative systems in real time such as eCos, Nucleus PLUS, FreeRTOS, VxWorks etc. Good understanding of development environments (compilers, linkers, purifiers etc.) such as Microsoft Visual Studio, Eclipse, Freescale Code Warrior, GNU GCC etc. Experience in buses and communications protocols: TCP/IP, MVB, Ethernet networks etc.