RESEARCHER OF REAL-TIME SOFTWARE DEVELOPER IN BATTERY ENERGY STORAGE SYSTEMS

Bizkaia talent

Company Description

CIDETEC is a Technology Centre that brings together three leading international centres in the fields of Energy Storage, Surface Engineering and Nanomedicine. For more than 25 years, we have been working with leading companies to develop technology that makes the world a better place.

Information

Deadline: 2024-06-30
Category: Business
Province: Gipuzkoa
Country: Basque Country
City: San Sebastián

Company

CIDETEC

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Main functions, requisites & benefits

Main functions

To code generation for embedded systems (C programming for microprocessors). To create tools for the management of laboratories and technical testing. To optimize technical and material resources. To work on the connected battery and cloud data exploitation work stream. To work on the development of new algorithms for the BMS (Battery Management System) control SW. You will also be involved in: Generating new ideas/concepts and implementing them. Drawing up technical documentation. Drawing up technical documentation connected with seeking funding.

Requisites

Education: Engineering with a specialisation in IT/Telecommunications. Master's degree or Doctoral thesis in the field of software engineering or embedded systems. Languages: Fluent in spoken and written English. Knowledge: The successful candidate will demonstrate a sound knowledge in: C++ programming languages. Knowledge of languages such as Python or Dart is an advantage. Relational (SQL) and non-relational databases (MongoDB, FireBase, etc.). Sound knowledge of design patterns. Knowledge of data infrastructures and cloud services. Experience in code management and code generation based on code quality criteria. Experience in the use of version management tools (Git, SVN, etc.). Experience of participating in large and modular projects. Experience: Experience in a desktop application programming environment or real-time Linux environment. Experience with Linux or Windows. 5+ years experience in C++ programming. Experience of programming for large projects. Experience in frameworks or libraries such as Boost, Qt. Experience in MQTT type communication protocols. Experience in Docker type container systems or cloud architecture with Kubernetes. Experience in ImGui library would be useful. Experience in object-oriented programming. Experience in modular architecture. Observations: We are seeking a highly motivated person with an interest in research and innovation, to join a multi-disciplinary team. They will be able to organise the work, keeping to the deadlines and meeting the established objectives. Having undertaken a placement abroad and more than 3 years' work experience will be considered a plus.

Benefits

At CIDETEC you will be able to develop your career alongside a team of top-level professionals dedicated to innovation and seeking to provide practical solutions that result in a more sustainable world. Professional development opportunities that allow you to build a solid career, working on projects that transform both industry and society. Work with teams at the very highest level in local, national and European settings. Work-life balance initiatives. Continuous training. Privileged setting in a safe and friendly environment. Variable remuneration package for all employees.