Call for contribution of expertise

CERN invites collaborating institutes and universities to contribute with the expertise of their qualified employees to the activity described below.

Start date: asap	*Duration:* One year, possible extension to a maximum of up to three years.

Project/Activity: Full-stack software developer

Detailed description of Activity:

As a member of the DevOps team in the Product Lifecycle Management (PLM) Service at CERN, you will help us build, integrate and support applications based on CERN's next-generation PLM Platform.

In particular, you will:

- Participate in technical applications design and development including porting or creating applications for a new PLM system. Typical application areas include: CAD Data Management, 3D model visualization, Engineering Document Management, and integration with other systems.
- Assist CAD and PLM experts to formulate software requirements specifications, develop high-level data and process model, and design test and user documentation.
- Design, develop and maintain software using object-oriented, web-based, and RDBMS technologies. Languages and techniques include Java, Spring, .NET, Oracle, JavaScript, React, HTML, CSS. It also includes using the Application Programming Interfaces (APIs) of the commercial tools.
- Perform software code analysis, programming, software code review, testing, delivery, and support.

Profile: Master degree in IT/Software Engineering or equivalent technical experience. Working knowledge of Object-Oriented Programming (Java or .NET), JavaScript (and its interplay with HTML5 & CSS), Integration Technologies, Git. Knowledge and experience of relational databases and SQL would also be a strong asset.

Specific details: You will be working in a dynamic agile team and will be given the opportunity to specify, design, document and deliver functionality and projects that will integrate and extend the use of the future PLM platform at CERN. This includes web applications, enterprise software integrations, data analysis. Good working knowledge of either English or French is required.

Status at CERN: Associated Member of the Personnel (Project Associate).

Conditions in accordance with CERN's Staff Rules and Regulations and Administrative Circular No. 11. Subsistence allowance is payable by CERN to cover the additional cost arising from the individual's (and, as applicable, their family's) stay in the local area while performing activities at CERN.

Option: Collaborating institutes and universities can propose to support the activity of the qualified employees participating in this "Call for contribution of expertise" with students or other employees. Their status and Subsistence allowance when applicable will be adapted to their relation with their institutions

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