

Call for contribution of expertise

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

Start date:
November 2020

Duration: One-year, possible extension to a maximum of up to three years.

Project/Activity: Software Engineering – 360-degree Panorama Application

Detailed description of Activity:

- Maintain and further develop the Panoramas application that provides 360-degree views of the LHC accelerator, its injectors, and other CERN facilities (Java, JavaScript). Example: <https://panoramas-outreach.cern.ch/>;
- Ensure the seamless integration of the Panoramas application with other CERN tools, such as Layout Database and the GIS Portal;
- Participate in testing and code reviews, prepare technical and end-user documentation;
- Capture panoramas of the various CERN accelerators and facilities on-site, and upload them into the Panoramas application;
- Maintain the Panorama project website and provide user support when required.

Profile: Software engineer. Experience in software design and development, specifically in the domains of web development and relational databases.

Specific details: Good knowledge of Java, relational databases (Oracle) and SQL programming languages. Good knowledge of web technologies (JavaScript). Knowledge of React would be an advantage. Excellent team working and communication skills. Good level of English.

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 relationship with their institutions

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Reference: 2020_Q2_004