

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 engineer for InvenioRDM and CERN Search

Detailed description of Activity:

- Development of new modules and functionalities for the CERN Search and InvenioRDM projects (research data management platform).
- DevOps activities - the configuration, deployment and maintenance activities of the CERN Search and InvenioRDM.
- Providing support to CERN Search users and sharing expertise with the Invenio developer community.
- Management of code contributions following an Open Source development model.

Profile: Bachelor degree in the field of computer science or a related field.

- Demonstrated experience with the full-stack development of large software projects, preferably for the web, involving design and development of user interfaces, web application back-ends, front-ends and database schema management.
- Programming/Software development: advanced knowledge of Python programming, solid knowledge of JavaScript (e.g. ES6); experience with the Flask web framework is a plus; experience working in Open Source is also a plus.
- Experience in service deployment, configuration management and operation. Knowledge of container-based technologies and platforms (e.g. Docker, OpenShift) is a plus.
- Design of databases/search engines: experience with PostgreSQL (or similar); experience with Elasticsearch and Redis is a plus.

Specific details: Excellent team-working attitude, achieving results through high-quality work and attention to detail. The position may require work during nights/weekends and stand-by duty. Good working knowledge 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 relation with their institutions

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Reference: 2019_Q2_006