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: 01/09/2018	*Duration:* One year, possible extension to a maximum of up to three years.

Project/Activity: Integration of modern Web technologies across CERN's network management applications

Detailed description of Activity:

CERN's network and telecommunications infrastructure are essential to all activities of the laboratory. It supports CERN's high-performance data centre network, technical network, and over a hundred thousand of user devices.

This infrastructure is modelled, configured and managed using an internally developed suite of web applications built with state-of-the-art technologies: Java, Spring, AngularJS, Grails, and Oracle.

Following a great experience with modern and industry standards Web technologies (AngularJS, REST, Maven, Docker) in the new network registration application (LanDB Portal), we want to integrate these technologies across all applications developed by the team in order to homogenize our workflow and increase our development velocity.

The expert will be part of an agile software team of talented young developers, will contribute to integrate these technologies and will participate in all aspects of software development (design, coding and support) in all Web applications supported by the team.

Profile: Qualification: Bachelor's degree in the field of Computer Science or related field, or equivalent. Software development experience for Web applications, Agile methodologies development workflow and related tool (VCS, bug tracking, build pipeline). General experience using databases (ideally Oracle). Programming Languages: Java, Javascript, SQL, PL/SQL or similar

Specific details: Theexpert will work as developer in an agile team on network management Web applications and learn about modern Web technologies (among which AngularJS, Spring, Docker, Grails) and software development methodologies (Agile, Scrum). The team works and communicates in English therefore a good working knowledge is needed.

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

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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