

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:

01.10.2020

Duration:

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

Project/Activity: Research and implement database support strategy for the next Engineering Product Lifecycle Management system for CERN

Detailed description of Activity:

Deploy Microsoft SQL Server environments for the next CERN Engineering Product Lifecycle Management System: development, test, and production.

- Analyse and optimise performance
- Implement monitoring
- Design and implement business continuity
- Design and implement disaster recovery
- Research long-term strategies for:
 - storage solutions,
 - backup (currently on TSM),
 - MS SQL on Linux,
- cloud deployment - feasibility studies, cost analysis.

Profile: Bachelor's degree in computer science or equivalent technical experience. Required: strong interest in systems administration on Windows and Linux, knowledge of Microsoft .net and PowerShell. Experience in software development will be an asset.

Specific details: The University expert will join the Application and Devices section of the IT Department CDA group, which provides applications for the engineering community and is in charge of over 10000 Windows and Mac devices and over 1000 Windows servers.

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_006_SQL-CDA-11