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Job details

**Job posted by CERN - European ORganization for Nuclear Research
(04/11/2016 10.41)**

Computing Engineer (Storage Developer / Engineer)

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Where the term "Big data" takes on a meaning of its own: Make your contribution to the development of our distributed physics data management systems comprising hundreds of Petabytes - at the birthplace of the world wide web! Join CERN's Storage Group as a storage specialist for a unique challenge as the next step in your career. CERN, take part!

Description

Functions

As a member of the IT Storage Group, the successful candidate will:

- * Participate in the design, development, maintenance and optimization of the various data and storage management products of the group.
- * Contribute actively to the product documentation and testing infrastructure maintained by the development team.
- * Contribute actively to in service design discussions with software deployment teams in ST group and teams at collaborating sites deploying the groups data management solutions.
- * Participate actively in strategic development collaborations of the group such as the XROOT project and the development collaboration as part of openlab projects.
- * Interact with end-users as part of the level-4 support provided by the ST development team.

Qualification required

- * Master's degree or PhD or equivalent relevant experience, in the field of Information Technologies or a related field.

The candidate should have knowledge and practical experience in the following areas:

- * Excellent object-oriented design, development skills in C/C++.
- * Excellent understanding of system level disk and network I/O and multi-threading concepts.
- * Practical understanding of the Linux operating system administration.
- * Practical experience and in depth skills in UNIX shell script, Perl or Python programming.

The technical competencies required for this post are:

- * Programming/Software development: solid knowledge of the linux operating system environment; design, creation, testing using C++, C and Python.
- * Application support: application maintenance and support services investigating and resolving issues and providing information about the systems.
- * User relationship management: ability to liaise effectively with both users and other teams providing it services; systems integration/installation/decommissioning.

The language competencies required are:

- * Spoken and written English: ability to draw-up technical specifications documentation and/or scientific reports. Basic knowledge of French or an undertaking to acquire it rapidly.

Eligibility conditions

- * Employing a diverse and international workforce is a CERN core value and central to our success. We welcome applications from all Member States irrespective of gender, age, disability, sexual orientation, race, religion or personal situation.
- * This vacancy will be filled as soon as possible, and applications should normally reach us no later than 30.11.2016.
- * We offer a limited-duration contract for a period of 5 years. Limited-duration contracts shall terminate by default on their date of expiry.
- * Subject to certain conditions, holders of limited-duration contracts may apply for an indefinite position.

Nr of positions available : 1

Research Fields

Computer science - Computer systems

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Other job details

EURAXESS ID

34120124

Type of Contract

Permanent

Status

Full-time

Working Hours

(hours per week or free text)

40

Company/Institute

CERN - European ORganization for Nuclear Research

Country

SWITZERLAND

State/Province

Geneva

EU Research Framework Programme

Is the job funded through the EU Research Framework Programme?

No

Company/Ins

CERN - European ORganization for Nuclear Research

Human Ressources
Large Company
385 route de Meyrin
1217 - Meyrin
SWITZERLAND
email
recruitment.16574.30
http://www.cern.ch/j

QR-Code

[Get the QR-Code](#)

Career Stage

Early stage researcher or 0-4 yrs (Post graduate)

Research Profiles

First Stage Researcher (R1)

Benefits

Swiss Franc8512 - Swiss Franc12156 per month

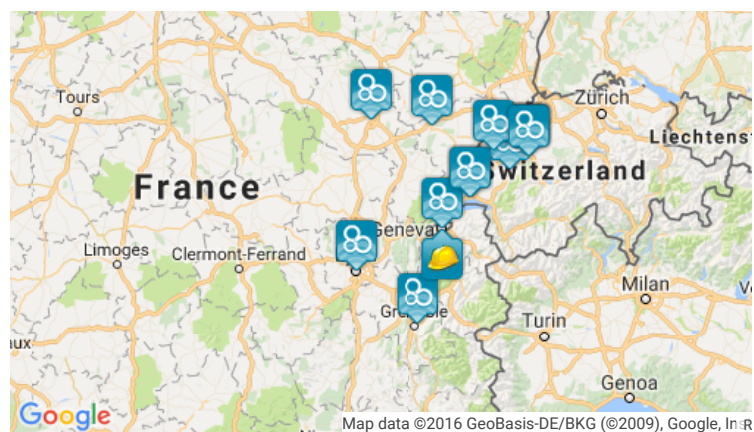
Comment/web site for additional job details<https://ert.cern.ch>**Requirements**

Required Education Level

Degree	Master Degree or equivalent
Degree Field	Computer science

Additional Requirements

C++, storage system, Python, script programming

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