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## VACANCY

The Institut Laue-Langevin (ILL), situated in Grenoble, France, and founded by France, Germany and the United Kingdom, is Europe's leading research facility for fundamental research using neutrons. The ILL operates the brightest neutron source in the world, reliably delivering intense neutron beams to 40 unique scientific instruments. Every year, the Institute hosts over 2000 visits by scientists, who come to carry out world-class research in solid-state physics, crystallography, soft matter, biology, chemistry and fundamental physics. The "Projects and Techniques Division", which is responsible for the development of the ILL's instruments and for technical support, currently has a vacancy in its IT Service for an:

### Experienced Software Developer

**You will be part of the European project PaNOSC = the Photon and Neutron Open Science Cloud.** This project brings together six major world-class European research infrastructures to create a fully integrated, pan-European information and analysis infrastructure supporting the scientific process.

#### Duties:

The Experienced Software Developer will work with the other members of the IT/DSS group on the development tasks related to Work Package 3 of PaNOSC (tools and services to allow scientists to search for, and obtain, scientific datasets as well as DOI and data lifecycle management), Work Package 4 (remote data analysis services providing remote desktop - Desktop as a Service - and Jupyter notebooks in a common PaNOSC portal) and Work Package 6 (refurbishment of the software catalogue).

Your principal duties include:

- Actively participating in internal software design meetings promoting innovative solutions
- Developing the services and tools associated with the different work packages in collaboration with the other team members
- Assisting in collaborative development involving regular video conferences as well as workshops at other PaNOSC partner facilities.

#### Qualifications and experience:

- You have a **Bachelor's** degree in a relevant area.
- Minimum 5 years' (preferably 8 years or more) experience in back-end web development and conception
- Confirmed experience in Java (Spring, Hibernate, Guice, JAX-RS, Jersey, ...) and preferably NodeJS (TypeScript) as well
- Proven experience with software design and architecture
- Involvement in all stages of software development (design, dev, testing, integration, deployment)
- Experience working on micro-services would be a plus (architecture, design and deployment)
- Comfortable working with relational databases and writing SQL requests
- At ease with the command line (Linux systems and DevOps tasks)
- Front-end development of single-page applications (angular, react, vue) would be a plus.

#### Language skills:

As an international research centre, we are particularly keen to ensure that we also attract applicants from outside France. You must have a sound knowledge of English and be willing to learn French (a language course will be paid for by the ILL). Knowledge of German would be an advantage.

#### Notes:

This post is a "specified-purpose" fixed-term contract **until the end of November 2022**.

**Medical fitness for work under ionising radiation is required.**

#### Benefits:

Generous company benefits (expatriation allowance), relocation assistance and language courses may be offered (for more information, please consult our [employment conditions](#)).

#### How to apply:

Please submit your application on line, no later than **20.09.2020**, via our website:

[www.ill.eu/careers](http://www.ill.eu/careers) (vacancy reference: **20/40**).