Distributed Systems Engineer Position at Grenoble Informatics Laboratory

Offer: **Distributed Systems Engineer Position** available at Grenoble Informatics Laboratory (Univ. Grenoble Alpes). A PhD looking for a postdoc may also apply.

Keywords: Distributed systems, High-performance computing, Cloud computing, Data analysis.

Contacts:

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To apply:

Your application should include:

- A detailed CV
- A motivation letter
- The name and email address of at least two persons that can recommend you.

Location:

The engineer will integrate the ERODS research team (`http://erods.liglab.fr`) at LIG lab (Grenoble Informatics Lab – `http://www.liglab.fr`). The laboratory is located on the campus of Univ. Grenoble Alpes.

Important information

- Dates: As soon as possible
- Fixed term contract (3 years max)
- Required qualification: Master or equivalent

Description:

Hydda is a project that involves several industrial and academic partners to work on new distributed execution platforms targeting processing of large amount of data (Big Data). More specifically, the goal of the project is to use the resources provided by supercomputers to run large scale data analytics applications. The domain is referred to as *High Performance Data Analytics* (HPDA).

The ERODS team focuses on the *system* and *distributed system* challenges related to the project: how to deploy and execute data analysis applications efficiently on supercomputers?

The engineer will work on the use of containers technologies for the efficient deployment of HPDA applications. He will also be involved in the implementation and the performance evaluation of data analysis applications to be run on supercomputers.

The position is an opportunity to work in a scientific context involving several academical as well as industrial partners. Recently graduated students can apply.

The ERODS research team includes more than 20 members (professors, PhD students, post-docs, and engineers) that work on different problems related to distributed systems and operating systems.

Main tasks of the engineer

- Contribute to all phases of the software development life cycle in the project
- Evaluate software stacks at large scale
- Interact with the partners involved in the project

Required skills

- Team work
- Good programming skills
- Basic knowledge in operating systems
- Basic knowledge in distributed systems
- Linux operating system
- Experience with a data processing framework (ex: Apache Spark) and/or a container technology (ex: Docker) is a plus.