

The EGI Foundation is looking for a Cloud Solutions Architect

Job summary

The EGI Foundation is looking to recruit a Cloud Solutions Architect to assist EGI in the support of international research communities with cloud-enabling their scientific applications and data analytics platforms. The position requires experience with cloud technologies, preferably from the EGI Cloud or from other open source domains.

The Cloud Solutions Architect assists communities in the integration of scientific applications with the technical and operational Cloud services from EGI and ensures that the EGI Cloud services as well as community specific services are customised for, and meet the needs of individual researchers, scientific collaborations and emerging European Research Infrastructures.

The Cloud Solutions Architect will work with the Technical Solutions Team, the Service Delivery Team, the Community Support Team and Technology providers, as well as community-specific experts from the broader EGI and research infrastructure communities.

The position offers the opportunity to work in EU-funded international research projects.

Job purpose and responsibilities

The Cloud Solutions Architect assists user communities in the integration of scientific applications and platforms with the EGI services and pilots and validate solutions against user requirements, and works with service providers to increase the availability, continuity, installability and scalability of services with particular reference to the adopted software solutions, overlooking the continual improvement process that brings services from “discovery” phase to “production”.

Specific responsibilities include:

- Provide technical support solutions for Cloud Compute IaaS, PaaS and SaaS, Data Management, Data Spaces, Cloud Containers and HPC.
- Design and implement services in relation to specific business problems and choose the most suitable technical solutions.
- Integrate distributed Cloud compute and Data management solutions that meet specific needs. This typically involves integrating the software and hardware that will best meet the purpose defined by a group of customers.
- Work with user community experts in the definition and piloting of their compute platform and data management system.
- Define and implement the Cloud Service Innovation Programme according to user communities and strategic directions agreed with the Service Portfolio Manager and the Technical Solution Lead. This involves examining the current system architecture, and working with business and technical staff to recommend solutions that result in more effective systems.
- Organize the development efforts needed to realize the vision of the EGI Federated Cloud, and more specifically to coordinate the set-up of scientific data analytics services with the involvement of users, software developers and service operators.

- Contribute to the definition and implementation of the EGI Technical Annual Plan.
- Keep himself/herself abreast of technical developments in scope in his/her solution area and maintain relevant knowledge of technology standards and best practices.

Relationships

- With service owners to support them in the improvement of a service.
- With user communities to gather requirements and co-design solutions.
- With the Strategy and Innovation Lead, the Technical Solution Lead and the Community Support Lead for strategic direction of his/her solutions.
- With technology providers to discuss requirements and plan software releases accordingly.
- With service providers to test and validate solutions against defined requirements.

Essential requirements

This position is suited for a seasoned professional meeting the following personal and professional requirements.

- Computer science degree in Information Technology, Software Engineering, Computer Science, or a related field.
- A balanced mix of excellent demonstrated technical skills in Cloud computing, Cloud Containers, distributed computing, HPC, Data Management applied to science and related business skills.
- Excellent expertise on OpenStack and Kubernetes.
- 3+ years proven experience in the design and implementation of Cloud computing and data management interoperable solutions.
- Good knowledge of emerging computing technologies and paradigms like Edge and/or Fog computing.
- In-depth understanding of programming languages and big data analytics.
- The ability to communicate effectively with different types of audiences when presenting technical solutions.
- The ability to understand business processes in order to create a cohesive vision of a usable solution.
- Ability to organise and facilitate meetings efficiently.
- Detail- and results-oriented, with strong analytical, organisation and time management skills, as well as a commitment to excellence.
- Experience in working with international teams is a plus.

Other requirements

- Detail oriented, thorough, and organized.
- Excellent time management skills.
- Ability to travel within Europe. (after the COVID period)
- Ability to write and communicate effectively in English.
- Strong collaboration and interpersonal skills, and ability to work well within a team.

Offer

- The position is offered for a period of one-year renewable upon satisfactory performance.
- This is a full-time (40 hours per week) position.
- The place of work is the EGI Foundation office in Amsterdam (a relocation package is available) or a remote one depending on the demonstrated experience of the candidate, in accordance to the EGI Foundation terms of employment. As an alternative, the position can be awarded to existing staff from organizations participating in the EGI council through a sabbatical or a collaboration agreement for the duration of the activity with or without temporary transfer of the employment contract to the EGI Foundation. In both cases in order to be appointed an authorisation from the home institute will be required. The EGI Foundation will support the applicant in this process by liaising with the home institute to obtain the necessary agreement.
- Depending on experience, for an employee working in the Netherlands, gross salary for a full-time position will be in the range of €4,400 to €5,300 per month, with additional holiday (8% annual gross) and end of year (5% annual gross) bonuses.
- Non-native employees new and working in the Netherlands may be eligible for a special tax benefit.
- There is a company health and pension scheme to which both the employer and employee contribute and 31 days of leave.

Equal opportunities

The EGI Foundation is committed to creating a diverse environment and is proud to be an equal opportunities employer. All qualified applicants will receive consideration for employment without regard to race, colour, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age or veteran status.

Process and timeline

- Closing date for applications: 17 January 2021
- Online interviews: 25 January - 05 February 2021
- Expected starting date: ideally in Q1 2021

To apply

To apply, we invite you to send us the following two items by email, to jobs@egi.eu:

- A cover letter (in PDF format), explaining your motivation for applying and how you meet the requirements outlined above.
- A CV (in PDF format), max 3 pages.

Incomplete applications will not be considered.

Thank you for your interest!