

The EGI Foundation is looking for a Data Solutions Architect

Job summary

We are looking for a Data Solutions Architect to assist the EGI Federation in providing support to international research communities to enable their big data applications and data analytics platforms on distributed compute infrastructures. The Data Solution Architect is in charge of defining the vision and specification of community-specific solutions within the data analytics area, and for the implementation and piloting of those solutions with the use of EGI services and third party tools.

The position requires experience with distributed data management and analytics technologies and user access management (authentication-authorisation) systems from EGI or other open source domains. The Data Solutions Architect assists communities in the integration of scientific applications with the technical and operational 'Storage and Data', 'Compute' and 'Security' services from the EGI Federation and its partners, and ensures that the data management and analytics services as well as community specific services are integrated for, and meet the specific needs of individual scientific communities and Research Infrastructures.

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

Job purpose and responsibilities

The Data Solutions Architect assists user communities in the integration of scientific datasets, applications and analysis platforms with the EGI portfolio services, designs, pilots and validates 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.

Specific responsibilities include:

- Engage with user communities to capture requirements, preferences and constraints on services and solutions.
- Provide advice and technical support for scientific communities on EGI Federation capacity allocation, distributed data access, data transfers, data & metadata management, Data Management Planning, Authentication-Authorization and access control services.
- Design and implement complex solutions that satisfy user community demands considering specific use cases and business models, choosing most suitable technical solutions.
- Define and execute system interaction and validation projects that would bring system design to prototype and pilots then to production systems as demanded by the communities.
- Contribute to the EGI Service Innovation Programme with emerging requirements, recommend solutions, and new capabilities.
- Manage the risk in third-party frameworks and platforms used for the implementation of a given solution.

- 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 the Technical Solutions Team of the EGI Foundation and with the Service Delivery Team, Technology providers and user communities. The Architect will contribute to various EU-funded projects and work with research institutes across Europe.
- With scientific communities to gather requirements and to co-design solutions.
- With technology providers to discuss requirements and plan software releases accordingly.
- With service owners to support them in the improvement of a service.
- With the Strategy and Innovation Lead, the Technical Solution Lead and the Community Support Lead for strategic direction of his/her solutions.
- 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 technical skills in storage and data management, data analysis, authentication-authorisation and related business skills.
- 3+ years proven experience in the design and implementation of solutions for data management and analysis.
- In-depth understanding of programming languages.
- 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.
- Confidence in public speaking to various stakeholder types, in English.
- Experience in working with international distributed teams is a plus.

Other requirements

- Detail oriented, thorough, and organized.
- Excellent time management skills.
- Ability to travel within Europe (after the Covid restrictions are over).
- 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: 31 January 2021
- Online interviews: February 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!