Senior Full Stack Developer

(Ref.-No. 2021-0041)

The German Human Genome-Phenome Archive (GHGA, www.ghga.de) is part of the national program for research data infrastructures (NFDI). GHGA will act as a national node within the federated European Genome-phenome Archive. This infrastructure will support genomics data hubs with software tools for secure data/metadata storage, interactive data portals with data visualization, and streamlined data deposition and acquisition solutions. The GHGA main office, which is coordinated by Prof. Oliver Stegle, is located at DKFZ in close coordination with the European Molecular Biology Laboratory (EMBL).

Job description:

We are looking for a senior full stack developer to design, implement, and operate the main GHGA infrastructure. The successful candidate will be part of an interdisciplinary research, development, and data management team to develop and apply a diverse range of state-of-the-art technologies.

Your responsibilities:

- Coordinate the development of the GHGA core software architecture
- Contribute to the development (backend/frontend) of GHGA
- Participation in international development networks of the federated EGA architecture
- Design and specification of features, aligned with international standards
- Collaboration with local and international developers

Your profile:

- Bachelor's or master's degree in computer science or similar technical background
- 5+ years of front- and back-end web application experience
- Proficiency with Python-based web frameworks (e.g. Django and Flask)
- Experience developing applications using vanilla Javascript and popular frameworks or libraries (e.g. React, Angular)
- Ability to work with a variety of programming and database languages and coding patterns
- Familiarity with database and search engine setups (e.g. PostgreSQL, ElasticSearch)
- Familiarity with unit testing - experience with Test-Driven Development
- Interest in setting up and using DevOps pipelines

The ideal applicant should have demonstrated the ability to work independently and creatively. The candidate should have excellent communications skills and be able to articulate clearly the technical needs, set clear goals and work within an interdisciplinary setting, communicating with other partners.
The DKFZ is committed to increase the proportion of women in all areas and positions in which women are underrepresented. Qualified female applicants are therefore particularly encouraged to apply.

Among candidates of equal aptitude and qualifications, a person with disabilities will be given preference.

To apply for a position please use our online application portal (https://www.dkfz.de/de/stellenangebote/index.php).

We ask for your understanding that we cannot return application documents that are sent to us by post (Deutsches Krebsforschungszentrum, Personalabteilung, Im Neuenheimer Feld 280, 69120 Heidelberg) and that we do not accept applications submitted via email. We apologize for any inconvenience this may cause.

**Contract period:**

The position is initially limited to 2 years with the possibility of prolongation. The position can in principle be part-time.

**Contact:**

Dr. Koray Kirli, phone +49 (0)6221/42-3466

Please note that we do not accept applications submitted via email.

**Application deadline:**

09.03.2021