Vacancy

Scientific programmer for the DATA-KBR-BE and KBR Virtual Lab projects

For the sake of readability, our job descriptions are in male only. All positions are equally open to both women and men.

Number of place(s):	1	Language:	NL FR
Referte:	KBR-2023-04	Niveau:	SW1

CONTENT OF THE FUNCTION

As a scientific programmer at KBR you will be responsible for the implementation and development of various data infrastructures.

This function supports the objectives of two projects: DATA-KBR-BE and the KBR Virtual Lab, namely providing pre-curated and data-on-demand service to users. You will help think about how collections can be made available to users as data and how "Data on demand" services can be integrated to automate the compilation of data corpora.

In practice, this involves working on the technical and practical development of an Open Data Platform for KBR (data.kbr.be) as part of the 'Belgica' family of services such as BelgicaPress and Belgica Periodicals, and for the KBR Virtual Lab authentication and authorisation for users. You will implement APIs that allow querying the databases and exporting corpora. You will do this in consultation with BELNET.

This position is a transversal function. You will work within the Research & Innovation department at the Digital Research Lab, DIGIT and in close collaboration with the ICT department.

As a scientific programmer
- You have software development skills and practical knowledge of web technologies (PHP including ideally the Symfony framework, JavaScript, REST API, etc.);
- You have experience managing operating systems (Linux, Windows) and databases;
- You have some experience in IT Service Management

As a project officer
- You actively participate in work meetings;
- You work closely with the relevant colleagues within KBR and with BELNET

More information about the position?
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Lead of KBR's Digital Research Lab
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CONTEXT OF THE FUNCTION

The project

This position supports two BELSPO projects. First, a **BRAIN** research project and then, the **ESFRI programme**. The European Strategy Forum on Research Infrastructures (ESFRI) is intended as a strategic tool to develop Europe's scientific integration and increase its international reach. ESFRI's mission is to support a coherent and strategic approach to policy-making on research infrastructures in Europe and to facilitate multilateral initiatives leading to better use and development of research infrastructures, at EU and international levels.

The employer

KBR, located on Mont des Arts in Brussels, is one of the ten federal scientific institutions. The Royal Library of Belgium is the national scientific library. It collects all Belgian publications and preserves, manages and studies an extensive cultural and historical heritage. It provides the public with access to information, facilitates research and offers a broad cultural experience.

Want to know more? Visit our website and our jobs page:

- https://www.selor.be/nl/werken-bij-de-federale-overheid/welke-overheidsdiensten/koninklijke-bibliotheek-van-belgi%C3%AB-(kbr)

- http://www.kbr.be/nl

PROFILE

Generic competences:

- You have the commitment, will and ambition to achieve results and take responsibility for the correctness of actions taken (achieving objectives).
- You can demonstrate, convey and share knowledge, insights and practices (sharing knowledge and information).
- You actively plan and manage your own growth according to your capabilities, interests and ambitions by critically questioning your own functioning and continuously gaining new insights, skills and knowledge (self-development).

Technical competences:

- You have software development skills and practical knowledge of web technologies (PHP, including ideally the Symfony framework, JavaScript, REST API, Symfony framework, etc.);

- You have experience in database design and development;

- You have experience with search technology and configuration: SQL, Elasticsearch, Solr, etc.
- You have experience with Linux and Windows servers.

The technical competences are considered particularly important for the job. If you technical competences don't respond to the requirements of the job, you cannot pass the selection and as a consequence you will not be on the list of laureates.

Assets:

- You have experience in the library sector
- You have experience in project management
- You have experience in scientific research
- You have knowledge of French as you will be working in a bilingual environment

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TERMS AND CONDITIONS

Experience

No experience is required.

Diploma

You obtained a master's degree (or equivalent) in Computer Science, Computer Science or Engineering.

You can also participate in the selection if you hold a diploma that you previously obtained and that is equated with the above-mentioned diplomas.
When assessing a foreign (non-EU) diploma, an equivalence certificate may still have to be requested from NARIC ; we recommend that you – if necessary – start the recognition procedure at NARIC as soon as possible. You must have this recognition no later than the date of appointment.

WE OFFER

You will receive a full-time employment contract (38 hours per week) of a fixed term, i.e. two years, as a scientific staff member, with the possibility of a renewal of the contract for a maximum period of two years.

Work schedule
Monday to Friday, 8h06 (including 30 minutes mandatory break) to work between 7am and 6pm.

Compensation

- €38 093.08 (indexed annual gross starting salary) - Scale SW10.
- 45 057.08€ (indexed annual gross starting salary) - Scale SW11 (after two years of scientific seniority).

Salary simulator: What do you earn in the federal government:
http://fedweb.belgium.be/nl/verloning_en_voordelen/wedde/calculator

Advantages

- Reimbursement of commuting expenses if public transport is used.
- Opportunity to recover any overtime.
- Easily accessible by public transport (close to Central Station).
- Possibility of acquiring a bilingualism premium.
- 26 leave days per year.
- Using multiple languages in a multicultural environment.
- A pleasant workplace in a historic building with terrace and garden.
- Free admission to Brussels federal museums.

You can find all information and benefits related to working in the federal government on BOSA (www.bosa.belgium.be), the portal of federal civil servants.

SELECTION PROCEDURE

Please send your curriculum vitae, a cover letter no later than 26/03/2023 via e-mail to the address hr@kbr.be with reference KBR-2023-04.

If we receive more than 3 applications that meet the participation requirements, an initial selection of CVs will be made based on their strengths. If selected for interview, you will be asked to prepare a small assignment proposing a solution to bring together multiple APIs to showcase your technical competencies. Eligible candidates will be invited for an interview on 18/04/2023. This oral test aims to assess your motivation and your affinity for the position as well as your technical and generic competences.

More information on the selection procedure?
Anneleen Wellens, HR manager
Tel. : +32 (0)2 519.53.04
E-mail : anneleen.wellens@kbr.be

Report
After receiving your result for a selection test, you can request a written report within 3 months.

Syndicated representation
A union delegate may attend any selection organised by KBR. Trade union delegates are bound by a duty of discretion regarding confidential information and documents.

Candidates with disabilities, learning disabilities or illnesses
As a person with a disability, learning disability or illness, you can:

- require reasonable adjustments to the selection procedure;
- seek advice on adapting your workplace.