Director

of **IT4Innovations National Supercomputing Center**

VSB - Technical University of Ostrava

announces a selection procedure for a post of

Innovation Technology Developer – Backend services developer

for Advanced Data Analysis and Simulations Lab

The position is suitable for both women and men.

IT4Innovations National Supercomputing Center is a leading research, development, and 1eveloper1 centre active in the fields of High-Performance Computing (HPC), Data Analytics (HPDA), Artificial Intelligence (AI), and Quantum Computing (QC) and their applications. We have strong international links and employ more than 180 scientific, technical, and administrative staff. At present, IT4Innovations is running two supercomputers: Karolina (15.7 Pflop/s, installed in the summer of 2021), Barbora (849 Tflop/s, installed in the autumn of 2019), and is a member of the consortium operating LUMI, one of Europe's most powerful supercomputers. IT4Innovations also operates the first Czech quantum computer named VLQ. For more details, see www.it4i.eu.

Activity description:

We are extending our team with a new position to drive development of complex distributed services focused on easy access to compute workflows and distributed data management across HPC clusters, Quantum and Cloud environments. This position is focused on backend developers working with modern services REST APIs 1eveloper in Python and/or C#, databases and object storages. Experience with design and operation of scalable and distributed services is an advantage.

The responsibilites of the candidates for this role are:

- development of software features of an on-line service focused on data management and transfers,
- participation on feature design decisions and roadmap defintion,
- communication with researchers and development team,
- analaysis of new requirements and feature defition.

Full time equivalent:	full time employment,
Type of job contract:	fixed-term employment
Expected start of employment:	1. 10. 2025 or as agreed

We require:

- proven experience with backend development in Python or C#,
- basic knowledge of networks and common data transfer protocols,
- experience with software development management,
- experience with Linux in a server environment,
- good communication skills in the English language both spoken and written,
- bachelor's degree in software engineering or computer science.

Candidate advantage:

- experience with relational database or object storages,
- experience with cloud environments.

We offer:

- work in a friendly team fostering open and efficient communication,
- flexible working hours and home office,
- salary evaluation according project conditions and candidate's experience,
- modern tech stack (Python, FastAPI, OpenID, object storages),
- opportunity to work with cutting edge computing technologies,
- possibility of further education,
- 6 weeks of holidays,
- university kindergarten,
- contribution option to pension plan,
- company catering in the canteen,
- MultiSport card,
- other employee benefits according to the employer's offer (shopping, R&R).

Your personal data will be processed to the extent necessary for the implementation of the selection procedure in accordance with EU Regulation 2016/679.

https://www.vsb.cz/export/sites/vsb/en/.content/files/Informace-pro-uchazece-o-zamestnani-AJ.pdf

The application form substantiated with a letter of motivation and CV should be sent electronically to the email address: petra.brozova@vsb.cz **until 27. 8. 2025.**

In the subject of the email please state "Open Call for the position of the Innovation Technology Developer – Backend services developer".