

The Institute of Biotechnology of the Academy of Sciences of the Czech Republic at the Biotechnology and Biomedicine Centre of the Academy of Sciences and Charles University in Vestec announces an open position:

Junior/medior backend developer in data management

We are looking for an enthusiast to join our team focused on management of biophysical data within the European project MOSBRI and the National Repository Platform.

We offer work connected to development of data management infrastructure for biophysical data in the frame of an international project at the Institute of Biotechnology in the BIOCEV Centre of Excellence.

The main responsibility includes:

- Designing data standards and models for biophysical data,
- Developing of algorithms,
- Upgrades and maintenance of a pilot database of biophysical data.
- Participating in local and international collaborations and presenting results.

The role offers a great deal of freedom, both in choosing how, which, and when new features are implemented. Furthermore, direct technical sparring with experts in the frameworks used are available through our collaborators at CESNET.

This position is open to both experienced developers and motivated junior candidates who are eager to grow in a stimulating research environment.

The Centre of Molecular Structure (part of the Czech Infrastructure for Integrative Structural Biology, <https://www.ciisb.org/> and of the European infrastructure Instruct-ERIC, <https://instruct-eric.eu/>) participates in the EU Horizon 2020 project MOSBRI (<https://www.mosbri.eu/>) focused on provision of open access to biophysical techniques across Europe with a strong accent on definition of data standards and archival of biophysical data and in the NRP project focused a unified approach to definitions of national repositories for scientific data.

For details about the role, structure, equipment, and services provided by CMS refer to the web pages at <https://www.ibt.cas.cz/en/core-facilities/centre-of-molecular-structure/>.

Requirements:

- Proven experience in programming
- University education in natural sciences
- Excellent communication skills and teamwork; documented previous teamwork experience
- Advanced English (written and spoken)
- Motivation and willingness to learn (especially for junior applicants)
- Integrity and reliability

Advantageous programming skill:

- Strong skills in Python (especially Flask applications)
- Knowledge of using Git and GitHub for version control,
- Knowledge of using GitHub actions for CI/CD
- Basic knowledge of REST APIs
- Basic knowledge of Docker
- Basic knowledge of Opensearch/ElasticSearch

We offer

- Full-time position (part-time negotiable)
- Work in an international and collaborative environment
- Involvement in cutting-edge research infrastructure projects
- Competitive salary, 5 weeks of vacation
- A chance to grow and develop

Starting date: immediately, upon agreement

The deadline for application submission is **15th May 2025**.

Workplace location: BIOCEV Centre, Vestec near Prague, Czech Republic.

Send written applications including a motivation letter and a professional CV to: hr@ibt.cas.cz.

GitHub or other portfolio links are very welcome.

Informal enquiries can be sent to **Dr. Jan Dohnálek**, dohnalek@ibt.cas.cz.

More details on the processing of personal data are available on the website:

<https://www.ibt.cas.cz/cs/o-ustavu/uredni-deska/qdpr/>