



Software engineer position is available in the Engineering Division of ELI ALPS

The Extreme Light Infrastructure (ELI) is the world's largest and most advanced high-power laser research infrastructure.

As an international user facility dedicated to multi-disciplinary science, ELI provides access to world-class high-power, high-repetition-rate laser systems and enables cutting-edge research, as well as breakthrough technological innovations.

The ELI organization is multi-site with two complementary facilities: ELI Beamlines in Dolní Břežany (Czech Republic) and ELI ALPS in Szeged (Hungary).

ELI is developing and deploying a growing set of services supporting its user programme and is seeking a software engineer to join our team and participate in the design, development and operation of these services.

What you will do:

The duties and responsibilities in the position include but are not limited to the following:

- Collaboration with internal stakeholders on user access services;
- Software development and IT operations support for web services related to user access;
- UI/UX design and development of web frontend components;
- Support of implementation of web backend services and APIs (REST/GraphQL)
- Implementation of unit and end-to-end tests;
- Design, development and documentation of solutions towards the integration of services related to user access.

What we expect:

- University degree in computer science, Engineering or related field;
- At least 5 years experience in software development;
- Solid understanding of React, Angular or other JavaScript based web development frameworks;
- Experience with backend services and technologies (NodeJs, TypeScript/Python or other object-oriented programming language);



- Familiarity with relational database design (SQL);
- Experience with containerization environments (Docker);
- Basic Linux skills;
- Experience with Git or other version control system;
- Good English communication skills.

What we can offer:

- A stimulating environment in a cutting-edge international research facility located in Dolní Břežany in the Czech Republic or Szeged in Hungary;
- Opportunity to grow and develop knowledge and skills;
- A competitive remuneration package;
- Full-time employment;
- Start date at the earliest opportunity.

Why join us?

- **International collaborations:** Our team frequently engages in international scientific collaborations with both experimental and theoretical areas, offering excellent opportunities to expand your global network and engage in pioneering research with experts in the field.
- **Cutting-edge facility:** ELI ALPS is part of the Extreme Light Infrastructure (ELI) project, providing access to some of the most advanced research tools in the world. ELI ALPS provides cutting-edge ultrashort light sources, including attosecond XUV and X-ray pulses, for the scientific community.
- **Quality of life:** We offer very competitive salaries in regional comparison, and the city of Szeged provides pleasant living conditions.

Please upload your CV and motivation letter to our Career Site: <https://www.eli-alps.hu/en/Career-1>

Extreme Light Infrastructure ERIC / ALPS Facility / ELI-Beamlines

The Extreme Light Infrastructure (ELI ERIC) is the world's largest high-power laser research facility, offering cutting-edge lasers for groundbreaking science and innovation. Operating across two sites – ELI Beamlines in the Czech Republic (near Prague) and ELI ALPS in Hungary (Szeged) – it employs a diverse team of experts from around the globe.



ELI Beamlines operates four advanced femtosecond laser systems, delivering unmatched intensities. These lasers drive unique X-ray and particle sources for groundbreaking research in physics, chemistry, materials, life sciences, and astrophysics.

ELI ALPS operates lasers and secondary sources to deliver ultrafast light pulses (including attosecond pulses) for pioneering research in physics, chemistry, materials and life sciences. Its advanced systems enable exploration of ultrafast electron dynamics and complex molecular processes.