

The mission of the Berlin Institute of Health (BIH) is medical translation: transferring biomedical research findings into novel approaches to personalized prediction, prevention, diagnostics and therapy and, conversely, using clinical observations to develop new research ideas. The aim is to deliver relevant medical benefits to patients and the population at large. The BIH is also committed to establishing a comprehensive translational ecosystem as translational research area at Charité – one that places emphasis on a system-wide understanding of health and disease and that promotes change in the biomedical research culture. The BIH is funded 90 percent by the Federal Ministry of Education and Research (BMBF) and 10 percent by the State of Berlin. The two founding institutions, Charité – Universitätsmedizin Berlin and Max Delbrück Center for Molecular Medicine in the Helmholtz Association (MDC), were independent member entities within the BIH until 2020. As of 2021, the BIH has been integrated into Charité as the so-called third pillar; the MDC is privileged partner of the BIH.

For the QUEST Center of the BIH we are looking for from
the next possible date limited until the 31.03.2025 a

Software Developer Angular/React and/or C# - (f/m/d)

We are looking for a full-stack or front-end software developer with an eye for intuitive UI and experience testing their own work to ensure it meets acceptance criteria whilst working with team members to resolve bugs and user issues. You will join the research team, Collaborative Approach to Meta-Analysis and Review of Animal Data from Experimental Studies (CAMARADES) Berlin group, based at the Berlin Institute of Health @ Charité, to enhance the CAMARADES-NC3Rs Preclinical Systematic Review & Meta-analysis Facility (SyRF), a fully integrated, freely-available, online platform to extract and store data for systematic reviews of scientific studies. We support over 2000 users world-wide with their research to translate findings from the laboratory to find effective treatments for human disease. The project “Communities for Open Research Synthesis” aims to promote and implement the use of preclinical systematic reviews and meta-analysis in medical faculties across Germany.

Your area of responsibility:

You will support the team in reaching its goals building and extending our research infrastructure to support high quality systematic reviews and will work with a small dev team using Agile principles. Day-to-day, you will work with a senior full-stack developer, a designer, product owner, and scrum master to prioritise and deliver features. Currently, the main technical infrastructure is based around Kubernetes, Docker containers and a MongoDB database with applications written in TypeScript (Angular) and C#. Flexible schedule, full or part-time depending on candidate's skill set.

Area of Responsibility:

- Design and develop frontend components in Angular. Work with a designer to implement intuitive UI (User Interface) elements to help users utilise the platform more efficiently. (40%)
- Maintain public APIs. Work with a senior developer to maintain APIs to our platform, to allow for easy exchange of data. (15%)
- Test new features, both internal unit testing and participate in user testing and evaluate user feedback to improve and refine features prior to release. (20%)
- Document code and maintain documentation for existing features where edits or improvements have been made. (5%)
- Write queries for data migration in MongoDB and administer database settings (5%).
- Plan new product features with the development team in an agile framework, using ZenHub, and actively contribute in scrum meetings. (10%)
- Acquire and maintain knowledge and understanding of existing and emerging computing technologies and ensure that software skills are kept up to date. (5%)

Your profile:

- a Bachelor's degree or post-graduate qualification in computer science (or equivalent demonstrated experience), together with experience delivering successful IT software development projects
- More than 1 year of C# (or Java) experience and/or Angular (other modern front-end frameworks acceptable)
- Competence with Linux operating systems, software development tools, web technologies, with expertise in one or more areas
- Knowledge and experience of the SOLID principles of Object-Oriented Programming (preferably in C# or Java)
- Good interpersonal and communication skills with users, team members, and project stakeholders at all levels
- Willingness to learn new technologies and implement best practice
- Highly proficient in English
- Desirable criteria:
- Familiarity with agile development methodologies (e.g., Scrum)
- Knowledge of DevOps principles (CI, CD, GitOps)
- Experience in all phases of software development e.g., unit testing, production code cleanliness, reproducibility, optimisation, and documentation
- Proficient in German
- Experience with: the Angular framework, .NET, MongoDB, AWS (S3, Lambda), Docker, Kubernetes, Python or R
- You should have the ability to communicate clearly and timely in an agile team to resolve roadblocks quickly.

We offer:

- A varied job in a forward-looking research institute,
- A temporary full-time position (39 hours/week),
- Remuneration up to E12 TVöD VKA-K: The grouping takes into consideration the qualifications and the personal circumstances of the candidate
- Additional benefits customary in the public sector (including annual bonus, VBL),
- 30 vacation days per year (with a five-day week) and up to 24 floating days per year.
- Family - friendly, flexible working hours for better work-life balance

We live diversity!

BIH strongly encourages qualified women to apply. Applications from people with an immigrant background who meet the hiring requirements are expressly encouraged. Severely disabled applicants and those with equal status will be given preferential consideration in cases of equal suitability.

Please submit your application via the BIH Career portal <https://jobs.bihealth.org> until **29.08.2022**, quoting the **reference number BIH-88.22**. We are looking forward to hear from you!

You can find more information about BIH at

www.bihealth.org/en/