

Full Stack Developer / Research Software Engineer (f/m/x)

The Ludwig Boltzmann Institute for Digital Health and Prevention (LBI-DHP; <https://dhp.lbg.ac.at/>) researches novel technology-assisted interventions to provide long term, sustainable, efficient and effective support to patients for health-promoting behavior change.

In close collaboration with our partners at the Paris Lodron University Salzburg (PLUS; Faculty of Mathematics and Centre for Human-Computer Interaction), the University of Applied Sciences (FH Salzburg), Salzburg Research, the Austrian Institute of Technology, and the University Hospital of Salzburg (SALK), the LBI-DHP follows an impact-oriented research and development agenda. That aim is pursued by bringing together interdisciplinary expertise and approaches both within the institute research group, as well as through the partner network that also includes a broad range of local stakeholder organizations. Novel digital health systems and interventions are developed and evaluated at levels ranging from exploratory prototypes to scalable publicly available platforms.

You are enthusiastic to create and shape novel digital health solutions.

Tasks

- Extension and development of a user-friendly mHealth platform (web & mobile)
- Maintenance of software services and service infrastructure

Qualifications

- Master's degree in computer science, software development, multimedia technologies, and comparable degree programs, or corresponding professional experience
- Expertise in modern web technologies for frontend and backend development (e.g. JavaScript, React, Python, Java, etc. as well as HTML and CSS scripting)
- Expertise or motivation to acquire expertise in container technology (OpenShift, Kubernetes, Docker), databases (MySQL, Postgres, InfluxDB, Firebase, RethinkDB), event-driven / streaming architectures and microservices (Kafka/Confluent), continuous integration, and build tools (gradle)
- Beneficial: experience in native mobile development
- Beneficial: experience in development for processing timeseries data
- Great problem-solving skills
- Communication and team-working skills
- Excitement about challenging iterative and user-centered research software development, assuming a broad range of responsibilities
- Good English language skills; German skills welcome but not required

Details:

- Work hours: 40 hours per week (part-time work can be subject to negotiation)
- Location: Ludwig Boltzmann Institute for Digital Health and Prevention at the University Hospital of Salzburg (SALK), Lindhofstrasse 22, 5020 Salzburg, Austria
- Earliest start: As soon as possible
- Duration: 48 months (4 years)
- Salary: Starting from € 42.000 per year before tax (€ 3.000.- per month * 12 + 2 months)

For informal queries please feel encouraged to contact Dr.-Ing. Jan Smeddinck:

jan.smeddinck@dhp.lbg.ac.at or +43 57 255 82711.

Please send your application including CV, as well as optionally a portfolio of your prior work experience, implementations, and/or products contributed to in any format (PDF, GitHub, website, etc., links to common trusted cloud storage providers are fine for larger file sizes) to office@dhp.lbg.ac.at.

(Application documents can optionally be encrypted using the PGP key at:

<https://drive.google.com/file/d/1kKxtvtURRHqfq8seTTVxV1hzScDgQ6Yf.>)



We offer you an interesting position in one of the largest private research organizations in Austria. The Ludwig Boltzmann Institutes are part of the Ludwig Boltzmann Gesellschaft, a not-for-profit research institution with a thematic focus on medicine, life sciences and the humanities, social sciences and cultural sciences, and is specifically targeting new research topics in Austria. Most software development tasks are contributing to open source projects. Together with academic and implementing partners, the LBG is currently running 21 institutes and develops and tests new forms of collaboration between science and non-scientific actors such as companies, the public sector and civil society. The LBG aims to identify

and swiftly tackle relevant challenges in society to which research can contribute at an early stage. The Ludwig Boltzmann Gesellschaft employs more than 500 people. With us, you can expect a dynamic environment, appreciative teamwork, as well as further training and personal development opportunities.

The LBI-DHP is a closely collaborating group of 15 to 20 highly motivated researchers, as well as technical and administrative staff. The research institute is located at the University Hospital of Salzburg near the heart of the historic city center. Salzburg is frequently recognized as one of the most desirable places for quality of life in Austria and beyond. The city offers excellent public infrastructure, family-friendly lifestyle, world-class cultural events, and is also in close vicinity to a wide array of alpine sports and recreation opportunities.



The Ludwig Boltzmann Institute for Digital Health and Prevention partner network:

