

JOB TITLE: Cloud Devops Engineer 50% - 80%

PLATFORM / TEAM: Human Neuroscience Platform, FACILITY: Methods & Data

Would you like to use your computer skills in health research? Foundation Campus Biotech Geneva (FCBG) is looking for a Cloud Devops Engineer to contribute to brain imaging research. No previous knowledge of brain-related research is required, only your back-end expertise.

The FCBG is supporting research activities at the Campus Biotech which houses neuroscience laboratories from EPFL and the University of Geneva. Our Methods & Data facility (<https://hnp.fcbg.ch/home/methods-data>) aims at providing a state-of-the-art brain imaging database web portal to the housed labs, with the ultimate goal to create a data science platform leveraging open brain data for reproducible research.

The position is available at between 50% and 80% for up to 1 year.

Goal: Deploy and extend an existing Java database web portal within a Kubernetes microservice architecture to manage brain imaging data and process them with containerized tasks

Tasks:

- Ensure the reliability of a data management solution already deployed with Kubernetes
- Extend the functionalities of the solution by developing java plugins for improved data curation, processing and user interaction
- Be open to both learn basic neuroimaging concepts and share expertise in microservices / dev ops with a team of neuroimaging experts and developers
- Test / document / release the resulting code as per software development best practices

Skills

Required

- Computer science university degree at Master level, or equivalent.
- Linux Administration, cloud computing and networking (dns, ssl, etc.)
- 1-3 year experience developing and maintaining a production IT service
- 1-3 year experience with container orchestration (Kubernetes, Terraform)
- Git / GitHub version control
- Experience with Web Development and Web Service APIs
- Experience in databases (MySQL/PostgreSQL)
- Proficiency in English

Optional

- Experience with data science infrastructure
- Some experience in customer interaction
- Experience in Java
- Experience with medical data
- Experience with metadata / semantic web technologies (e.g. RDF, SPARQL)
- Proficiency in French

Application: send an email with subject "M&D: Cloud Devops Engineer" attaching resume, cover letter, contact details of two references, work certificate, and grade transcripts if graduation less than 2 years ago, to administration(at)fcbg.ch

Starting date: as soon as possible