Java Back-end Software Engineer

About MetaboHUB

MetaboHUB (MTH) is the national French metabolomics and fluxomics infrastructure. Launched in 2013, MTH is a leading international infrastructure serving more than 700 scientists worldwide. MetaboHUB gathers **5 regional facilities** including more than **80 permanent staffs, 15 NMRs, 43 MS, robotic and computational platforms**. MTH aims at pushing forward the field to develop metabolomics and fluxomics from single cell to population. **Your contribution will serve a broad range of researchers** in the fields of biotechnologies, Human health and nutrition and plant science. **Joining MTH, you will be involved in cutting edge research within a highly skilled and motivated consortium.**

About MTH-Grand-Ouest

MTH-Grand-Ouest is a multi-site platform (Rennes and Nantes) with expertise in MS and NMR applied to metabolomics. We offers analytical developments and research services to public and private partners.

The Metabolic Profiling and Metabolomics platform (P2M2) is mainly dedicated to targeted and untargeted chemical analysis of plant metabolic products. The analytical facilities are mainly dedicated to research programs devoted to metabolic phenotyping for plant pathogen resistance, abiotic stress tolerance, functional genomics approach to plant nutrition, quality screening of plant products for nutritional, organoleptic or industrial uses.

The mission

The engineer recruited will work in the working group "**creating FAIR e-resources for knowledge mining**" of the MetaboHUB project in order to make available a catalog of the data available within the consortium. The objective of this work is to pilot and query data graphs available on the project's data lake, dedicated to research activities on knowledge graphs in metabolomics and management of massive data acquisition equipment of the MetaboHUB consortium platforms. These developments will have to feed the data lake with data from external knowledge bases and integrate data and metadata from the consortium platforms. The development will integrate a consultation component for the consortium users .

Key

The person recruited will be in charge of the following:

- Install and configure a batch processing tool in a production environment
- Develop database connectors to integrate data
- Develop a programming API to consult the catalog (Java ecosysteme – Java/Scala/Maven/SBT)
- Reporting, code review; code publication on GitHUB repositories, CI/CD

Profile

Academic
- Interest for software development
- Motivation for latest Web technologies
- Knowledge in CI/CD pipelines
- Knowledge on web-security

Skills

Skills in French language are not a prerequisite.
English mandatory or compulsory

Information

CDD Engineer
18 months contract, full-time position
Salary range (gross salary): 2300 euros/month
Place of work: Rennes / Le Rheu
Starting from: 2d semester 2023

How to apply ?

The application should contain the following attachments:
• a motivation letter
• a full CV (max. two pages)
• Contact information for at least two relevant references

Contacts

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More informations

- http://www.metabohub.fr
- https://www6.inrae.fr/p2m2/
- https://github.com/p2m2