

Java Developer for Data Integration (100%)

We want you!

Looking for a small technology-leading company where **you can make a big difference in an exciting and rapidly evolving field**? Welcome to Clinerion, a Swiss-based software and services company with international operations, with a focus on improving patients' lives. Clinerion provides disruptive software solutions supporting life sciences companies and hospitals in the process of developing new medicines.

One of our key solutions is the Patient Network Explorer (PNEx), which automatically finds eligible patients for clinical studies in hospitals and other healthcare organizations. In drug development, this addresses a major problem of finding significantly more eligible patients faster and at lower costs. PNEx works through integration with electronic health records at hospitals and represents a federated network of servers, allowing central querying and local patient identification. PNEx also generates data for Real-World Evidence.

To strengthen our existing Software Development Team in Basel we are currently hiring a **Java Developer for Data Integration**. The applicant preferably lives within commuting distance from Basel. This position is open to start immediately or upon agreement.

Job description:

As a member of Clinerion's Core Development Team, you will build and maintain data extraction and persistence components. High communication and working skills in locally distributed teams, understanding and focused working while fulfilling requests for incremental enhancements of our services are part of this role.

You will support the installation team in connecting hospitals to the PNEx. Therefore, you will extract data from different kinds of databases installed in various healthcare organizations located all over the world and sending it to other systems via webservices using clients. The data may also be sent as messages like HL7 and these messages need to be processed and sent over to other systems. You would be communicating with developers from our partner organizations to understand the database/messaging structure and then extracting the data.

Tasks:

- Extract health care data from different kinds of sources transform and load (ETL) them to the PNEx.
- Support partner organization in extracting, transforming and loading of healthcare data to the PNEx.
- Build connectors for data exchange between PNEx and other common platforms (e.g. i2b2).
- Develop data validation routines and reports for ensuring completeness and quality of health care data.

Minimum Qualifications:

- Bachelor's in computer science or closely related discipline or equivalent practical experience.
- Experienced in working with databases, including querying different databases like Postgres, Oracle, MySQL in an efficient and performant way.
- Knowledge of webservices and xml technologies to implement ETL routines.
- Experience in writing and implementing requirement specifications for data connectors.
- Good experience in Java development, IDE (Eclipse), build tools (Maven). Good experience in testing tools to ensure the quality of implemented ETL and components.
- Ability to work independently or as part of a team. Effective interpersonal and team-oriented communication skills.
- Ability and willingness to quickly learn new technologies and processes.
- Excellent English language skills, additional languages are a plus.
- Applicable Swiss or EU work and residence permits.

Preferred Qualifications:

- Master's degree in computer science or closely related discipline
- Experience with Big Data concepts: Elastic Search (e.g. Lucene) and NOSQL (MongoDb)
- Experience with statistic frameworks such as R or data warehouse technologies.
- Experienced in working with data in health care, medical data standards, ontologies, controlled vocabularies (e.g. ICD-10, SNOMED CT, LOINC, UMLS) is desired.
- Open to work in agile development teams (Scrum, Sprint, JIRA).

What We Can Offer:

- Highly motivated interdisciplinary and diverse team.
- Work on interesting problems with a high degree of autonomy.
- Flexible work time, possibility to work remotely.
- Competitive salary and work worth doing programs.

How to apply?

Please send your CV and motivation letter to frank.madoerin@clinerion.com.