Data engineer

About the job

We're looking for a data engineer to join our data engineering team. IOMED's products consist on an integrated suite of tools that dramatically simplify the process of clinical research, by structuring clinical data and providing a unified and standardized access to it.

The core of your role will be designing, implementing, and testing data extraction and transformation tools on a microservices environment. as well as to collaborate in the development and maintenance of the main products of our company:

- Data processing pipelines
- Data model transformations
- Components of a multi-modal distributed database.

About you

You have proven skills of putting microservices to use, and you're comfortable with the containers in a cluster architecture. You work well in a team, can teach & learn from others, and communicate what you're working on with non-technical team members.

Things You Might Do

IOMED is a startup, so you'll have to be comfortable rolling up your sleeves and doing whatever needs doing. However, you can definitely expect to:

- Query, model and deploy with PostgreSQL, Redis, RabbitMQ.
- ETL with SQL and Python
- Design, implement & test microservices.
- Integrate our products with external APIs.
- Development and testing of our core products and frameworks.
- Be comfortable with container development with Docker.
- Testing, logging, measuring and alerting of the deployed services.

What we offer

- Full-time permanent contract.
- Competitive salary: 35.000€ - 40.000€ based on experience.
- Performance bonus.

- Flexible schedule, with possibility of home office once a week.
- A warm, transparent and supportive team, with huge emphasis on work-life balance.
- Most days, lunch together in our sunny terrace.
- The opportunity to make your mark in e-health and AI.

About IOMED

IOMED is a technological company of software development. It was launched in 2016, funded by local and international ventures.

IOMED is an equal opportunity employer. We are still a small team and are committed to growing in an inclusive manner. We want to augment our team with talented, dynamic people irrespectively of race, color, religion, national origin, gender, physical or mental disability, or age.

What we do

Nowadays, around 50% of Clinical Trials are delayed due to patient recruitment, since patient data collection is performed in a manual fashion. As a result, clinical research is highly inefficient both in time and cost, taking years and billions of dollars to develop a new drug.

This problem could be solved through Real World Data, i.e. derived from Electronic health records (EHR). But unfortunately up to 85% of existing clinical data is unstructured, i.e. in plain text. This also leads, in part, to the existence of data silos, making it impossible to aggregate data from different hospitals.

IOMED has found the solution to this situation, making it possible to take advantage of full value of clinical Real World Data. We developed a tool that extracts the necessary data from clinical texts, which results in a structured, standardized and interoperable database that contains the complete clinical information from hospitals.

By this means, non-reusable information is transformed into data available for Clinical Research, allowing an enormous increase in criteria-compliant patients and a reduction of total time and manual labor devoted to this task.

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