SENIOR DEVELOPER

Full time employee position
We are looking for an ambitious individual, who wants to crack never-solved medical problems using a brand new molecular biology technique generating massive and complex sets of genomic data: a team-player ready to dive with us into the field of life sciences.

The Company: One Biosciences is a start-up leveraging the power of Single-Cell technologies for precision therapies for difficult-to-treat diseases. To put it simpler, **we generate biological insights from individually sequencing thousands of human cells of clinical samples.**

One Biosciences is composed of multidisciplinary teams, gathering engineers, clinicians and biologists. The teams focus on understanding the causes of selected diseases by grasping the heterogeneity of complex biological systems, revealing rare cell populations, and enabling cellular mapping of such diseases. **One Biosciences' goal is to discover transcriptomic biomarkers and new actionable therapeutic targets.** Biomarkers, among many usages, can help physician make hard medical decisions and therapeutic targets are the first step of manufacturing new drugs.

The Company was co-founded by Dr. Céline Vallot, Head of the Dynamics of Epigenetic Plasticity Team at Institut Curie. Dr. Vallot is an expert in multi-omics data analysis and epigenetic regulation. Her lab investigates epigenetic mechanisms in breast cancer combining cancer biology with single-cell technologies and data science. Dr. Vallot has co-founded the single-cell facility of Institut Curie and is the author of multiple scientific publications using single-cell technologies combined with data science algorithms to elucidate biological mechanisms in development and cancer.

In the current and coming months, One Biosciences is focusing on processing an increasing number of clinical samples as well as enriching its analytical tools. **Computational analyses are at the core of what we do.**

The Team:

We are a dynamic and growing multidisciplinary team of scientists using cutting edge genomics techniques and single-cell sequencing for the discovery of new therapeutic targets. You will work in our Data team (currently 3 data engineers and a doctoral student), in close collaboration with our molecular biology team.

Our stack:

Most of our code is in python. We run it dockerised on terraformed AWS environments using mostly EC2, Lambda and Sagemaker. Our S3 datalake is full of cells and genes tied into gene expression matrix files, they don't fit in regular DBs. We have a growing usage of technologies that helps use solve specifics problems such graph database and deeplearning. You won't stop learning.

Missions:

At One Biosciences, as a senior developer, you will participate in creating or expending our tools such as data preparation pipelines, a webapp enabling biologists to visualize and analyse single-cell RNA seq data, a complex AWS-based infrastructure as well as several algorithms. Your primary responsibilities will be:

- Building prototypes and industrialize what works best into fully fledged solutions
- On some projects, lead the development as well as the feature definition
- Test, Document, Monitor and Maintain your code
- Participate in improving the team's practices

Expected experience:

- 5 years minimum
- Experience working for a data focused team or product
- Worked as a fullstack or in a fast prototyping environment

Skills we value:

Technical:
- Proficiency with **Python** (required)
- Knowledge and interest for SRE / DevOps tasks
- Reinforce our team on at least 3 of this fields (Backend, APIs, Automated Tests, web Frontends, Serverless/MicroServices) in which you have substantial track record.

Other:
- Be a great teammate, but you can work on your own as well.
- Ability to collaborate and work within a multi disciplinary team including individuals without data science knowledge (e.g. biologists or physicians)
- Project management: ability to communicate proactively on training and guidance needs, to identify possible roadblocks and alert management with solution driven mindset, to share regularly progress and successes, to listen and act on feedbacks

Nice to have:

- An appeal for biology and genomics
- Experience with AWS+terraform
- Experience with matrix or graph manipulations
- Experience with performance optimization

Recruitment process:

- Interview with Data Lead
- Interview with CEO
- Interview with scientific founder
- Interview with Data team

Package will be competitive, depend on experience and seniority and include a variable bonus based on concerted objectives completion

Contact:

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