Data engineer

Full time employee position
Location: Paris (offices in Biolabs, 75014) – hybrid/remote-friendly

About One Biosciences
One Biosciences is a precision diagnostics company pioneering the use of single-cell transcriptomics and AI to decode tumor heterogeneity. Our platform combines advanced biology, algorithms, and molecular signatures to deliver insights that transform cancer care. Backed by €15M Series A funding and partnerships with Institut Curie, Gustave Roussy, and leading US centers, we are scaling globally to bring the next generation of diagnostics to patients.

Your Mission
As One Biosciences moves from research to clinical-grade diagnostics, robust and scalable data infrastructure is critical. We handle diverse, multi-modal datasets—from wet-lab assays to clinical samples—requiring high-performance pipelines and secure cloud environments.

As Data Engineer, you will design and maintain bioinformatics pipelines, integrate them in AWS infrastructure, and ensure data processing from raw sequences to clinically meaningful output. You'll work closely with computational biologists, research scientists and software developers to build a production-grade infrastructure for cutting-edge oncology diagnostics.

Responsibilities
- Design and optimize bioinformatics pipelines for single-cell data analysis.
- Manage large-scale single-cell datasets using workflow management systems.
- Build, maintain, and evolve AWS-based infrastructure.
- Collaborate with biologists and clinicians, supporting computational tasks.
- Test, document, monitor, and maintain codebases.

Profile
- **Experience:** 3+ years as data engineer (cloud-based) or computational biologist with strong coding practices.
- **Technical skills:** Python, R; cloud infrastructure (AWS or similar); handling large-scale data; experience with genomics or single-cell data.
- **Other qualities:** interest in biology and genomics, strong collaboration skills, ability to work with non-technical teams, commitment to coding best practices.

Why Join Us
- Work with cutting-edge single-cell datasets and real clinical impact.
- Collaborate with leading cancer centers in France and the US.
- Join a fast-growing company scaling globally.
- Competitive package with performance bonus.

Recruitment Process
1. Use case test
2. Interviews with scientific leads

Contact:
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