Tech Lead / Senior Software engineer at Raidium

raidium

Summary

Job description	[Link](#)
How to apply	Send an email with a CV to careers@raidium.eu
Location	Paris
Job type	Full time
Job title	Tech Lead / Senior software engineer
Start date	September 2024 (flexible)

The company:

Raidium develops a radiological foundation model as the "GPT" of radiology ([manifesto](#)). This new generation of AI will enable the building of an imaging biomarker factory for both clinical practice and research, tackling the complexity of precision medicine.

The team:

The founders:

Paul Herent is a radiologist, ancien interne des hôpitaux de Paris, Cogmaster (ENS) and PSL alumni, and has contributed to more than 9 publications focused on using deep learning in a radiological context. Paul conducted the first French medical thesis on the use of AI in radiology.

Pierre Manceron, a Centrale Paris engineer specialized in Applied Mathematics and Machine Learning with the MVA master, is a former team leader and manager of multi-million dollar projects. He specializes in the application of Machine Learning to industrial products.

The R&D team

The R&D team is composed of six ML engineers, from top French engineering schools and with backgrounds in ML and Medicine (experience at Meta, Cardiologs, and Owkin, PhD in academic laboratories).

We are building the team beyond R&D machine learning with upcoming hiring in operations, regulatory affairs, and software engineering.

Software engineer at Raidium

As the first Software Engineer at Raidium, you will play a pivotal role in developing the Raidium product and integrating Machine Learning models. This is a very transversal position involving:

- **Full Stack Development**: contribute to the design, implementation, and maintenance of both front-end and back-end components of:
  - Raidium product, involving serving ML models and manipulating radiological images
  - Internal ML tools to enable scaling of Raidium's ML infrastructure

- **Machine Learning Integration**: Collaborate with ML Engineers to integrate advanced ML/Deep Learning models into the platform, ensuring the system is highly accurate and efficient.

- **Scalability and Reliability**: build the infrastructure to support rapid growth in users and data volume without compromising performance.

- **Ownership:** As a key member of our team, you will play a crucial role in making technical decisions related to the product design.

- **Mentoring**: You will mentor the junior team members, helping them develop and enhance their software engineering skills.

In practice, you will work alongside the ML teams. You will work in Raidium's Parisian offices (in the Cochin Faculty) and have the opportunity to spend some afternoons at our companion center, where you will work with CT scans and MRIs!

When we're not developing the Raidium product, we're in the radiology department of our partner or discussing about healthcare in the FHU MOSAIC in the Beaujon Hospital

You:

- Master's degree in Computer Science, Engineering, or a related field.
- Proficient in full-stack development, with at least 2 or 3 years of experience in modern programming languages (e.g., Python, JavaScript), frameworks (e.g., React) and databases systems.
- Experience with cloud providers (GCP, AWS, Azure)
- Willingness to work in the healthcare industry
- Authorization to work in France
- Fluency in English, with excellent communication and teamwork skills
- Willing to come to the office (2 days remote policy)

Pluses (not required!):
- Experience in an agile work environment
- Knowledge of machine learning concepts and experience integrating ML models
- Experience with containerization and orchestration tools such as Docker and Kubernetes
- Knowledge of performance-oriented technologies (ex: rust)
- Knowledge of model serving technologies (ex: ray, CUDA)) and parallelization on GPU clusters
- Experience with Radiological images (DICOM, nifti)

Don't hesitate to apply, we're building the team and don't expect everyone to have expertise in every area.

Why join us:
- Have a real and positive impact on people's lives
- Apply and improve the latest Deep Learning technologies to build an inspiring product
- Be in contact with radiologists in our partner center
- Be among the first employees of Raidium
- Work with a team of internationally recognized experts
- Work with a diverse team of engineers and medical doctors
- Competitive salary
- Access to premium computing hardware

If you're interested, send an email and a CV to careers@raidium.fr !