Magnetic Resonance Imaging (MRI) software engineer

0 - 5 years experience

Paris, France

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**Ideal candidate**

**Warm knowledge**
- Likes to evolve in a very fast-paced and changing environment.
- Risk-taker, likes to take initiatives.
- Fast learner of new techniques in both software and hardware.
- Broad culture in fundamental physics and medical imaging.
- Enthusiastic and smiling person.
- Bonus: sportspersons, musicians, merrymakers.

**Cold knowledge**
- PhD in physics, mathematics, or computer science, with a focus on MRI.
- Development of low-field sequences (e.g., SSFP), k-space reconstruction, compressed sensing.
- Knowledge of numerical filtering and noise compensation techniques.
- Bonus: Other biomedical imaging techniques, quantum detection systems (e.g., SQUIDs, NV centers, atomic magnetometers).

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**What you’ll be doing**

**Position**
- Development of standard and novel low-field MRI sequences.
- Development of image reconstruction algorithms.
- Integration of algorithms in the software architecture, with the instrumentation team.
- Signal processing and noise reduction, with the numerical simulation team.

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**Who we are**

**Chipiron**
- aims to develop light and transportable MRI machines operating with an ultra-sensitive quantum detection system. Our mission is to make MRI accessible to all.
- We started our journey two years ago and just reached our first milestone, an ultrasensitive detection system that has the potential to make portable clinical MRI a reality. We’re a team of six physicists and are looking for our MRI software expert to reach our goal of delivering the first clinically relevant ultra-low field MRI prototype.
- Our labs and offices are in the heart of the *quartier latin* in Paris.

**Our culture**
- Collective thinking and decision-making, empowerment.
- Weekly goals set together, complete freedom regarding remote and choice of working hours.
- We’re very cautious on work-life balance and individual needs.
- English-first international team.

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**Contact**

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