



AVATAR MEDICAL

Senior Developer

Paris, France + Partially Remote

AVATAR MEDICAL SAS is an exciting new MedTech start-up that aims to radically enhance how surgeons prepare their surgeries.

Based on technology developed at the **Institut Pasteur** and **Institut Curie**, **AVATAR MEDICAL** uses advanced image processing algorithms coupled with virtual reality (VR) to transform medical images into lifelike patient avatars. This vehicle grants surgeons an excellent understanding of their patients' pathology via an interactive VR experience. **AVATAR MEDICAL** is a laureate of the prestigious **BPI i-Lab** and **BPI i-Nov** competitions for innovative French startups and is winner of the **Laval Virtual 2022 Grand Prix**.

AVATAR MEDICAL's leadership team consists of passionate French and American co-founders with proven experience in tech entrepreneurship, sales, marketing and scientific research. Our technology, being commercialized between France and the USA, is developed by a talented team of physicists and software engineers who work closely with the **Decision & Bayesian Computation Laboratory** at **Institut Pasteur** and renowned hospitals in France and the USA.

We are recruiting a **Senior Developer** to join our technology team to contribute to our multi-framework development efforts. The successful candidate will play an integral role in the coding, benchmarking and rollout of our future clinical products. He/she will join a research and development team consisting of talented software engineers and researchers within a fast-growing startup. This position is a unique opportunity to contribute to a truly multidisciplinary project combining **medicine, image analysis, machine learning** and **gamification/serious gaming** approaches in an inspired effort to greatly improve the surgeon's work flow at the hospital.

Roles

- Make critical decisions regarding the development and architecture of our software technology
- Work with our research team to implement, test and integrate novel learning algorithms into our software
- Build reusable code and libraries for future use
- Supervise, coach and mentor junior and intern developers through code reviews and best practices discussions
- Work with our Quality Team to ensure medical device compliance
- Play an integral role in the maintenance of our technology development roadmap
- Participate in salons and technology conferences to promote our technology

Required Qualifications

- 5+ years experience with C# (.Net), C++, C
- 3+ years as a full-stack developer commercial software design experience
- Agile development experience (e.g. code reviews, source control, release cycles, CI/CD)
- Experience in identifying bottlenecks and bugs (front-end and back-end) and devising solutions
- Solid object-oriented design skills and knowledge of application architecture patterns
- Strong analytical and critical thinking skills and the ability to manage multiple projects
- Effectiveness at communicating design/engineering trade-offs
- Equivalent of undergraduate degree in software engineering, computer science or related discipline



Nice-to-Have Qualifications

- Unity development experience (experience in Unreal Engine 4 appreciated)
- Test-driven development experience
- Knowledge of image processing
- Knowledge and experience with compliance norms (e.g. IEC 62304, ISO 13485)
- Game development experience
- XR development experience
- Bilingual English/French

Contract Type

Contrat à Durée Indéterminée (full-time permanent position)

Location

The position will be located at Parisanté Campus (2 - 10 Rue d'Oradour-sur-Glane, 75015 Paris) with a significant remote working component

Recruitment Process

The successful recruitment process will take place as follows:

1. Selection for a first general interview
2. Selection for a second technical interview
3. Interview with the CEO
4. Job offer

Contact

Please contact jobs@avatarmedical.ai with your

- CV
- Link to your personal code repository (e.g. GitLab, GitHub)
- References