



## Software Engineer

<b>Company:</b> Terapet SA
<b>Headquarters:</b> Geneva, Switzerland
<b>Position title:</b> Software Engineer
<b>Location:</b> Geneva (on-site)
<b>Reports to:</b> Head of Software Development
<b>About Terapet</b> <p>Terapet is an ISO 13485–certified medical device company developing PET detector–based technologies for particle therapy and nuclear medicine applications. As we accelerate the development of our medical devices, we are expanding our software team and looking for a talented Software Engineer to join us</p>
<b>Role Overview</b> <p>You will play a key role in building software for cutting-edge medical devices, working across the full development lifecycle. At Terapet, we don't separate software development from software testing: every developer takes ownership of the verification of their own work. This means you'll ship code you can stand behind, from design through validation.</p>
<b>Key Responsibilities</b> <ul style="list-style-type: none"><li>• Design, develop, and maintain our .NET application suite with an Avalonia-based front end</li><li>• Build analysis and verification tooling in Python</li><li>• Perform data analysis to support device development and validation</li><li>• Debug complex issues across hardware/software interfaces</li><li>• Work on high-performance computing challenges</li><li>• Verify and document your own work as part of our regulated development process</li></ul>
<b>Our Tech Stack &amp; Tools</b> <ul style="list-style-type: none"><li>• .NET solution with an Avalonia front end</li><li>• Python for analysis and verification</li><li>• AI-accelerated development and QMS processes using Claude Code Team</li></ul>
<b>Required</b> <ul style="list-style-type: none"><li>• Solid software engineering skills, ideally with experience in .NET and/or Python</li><li>• A quality-driven mindset — you take pride in verifying your own work</li><li>• Comfort working close to hardware and debugging across HW/SW boundaries</li><li>• Interest in (or experience with) regulated environments such as medical devices</li></ul>

**Nice to Have**

- Previous start-up experience
- End-to-end project experience, from prototyping to production

**Why Join Terapet?**

You'll join a small, fast-moving team where your work has direct impact on technologies that improve cancer treatment and medical imaging. We embrace modern, AI-accelerated ways of working while maintaining the rigor of a certified medical device manufacturer.

**Eligibility**

We are unable to sponsor or apply for a Swiss work permit for this position. Only candidates eligible to work under Swiss-EU/EFTA free movement rules, or who already hold an independent right to work in Switzerland, will be considered.

**Interested?** We'd love to hear from you. Please send your Cover Letter and CV to: [recruitment@terapet.ch](mailto:recruitment@terapet.ch)