

## Principal medical device software engineer



<b>Company</b>	<p>QYNAPSE is a medical technology company that unlocks the potential of quantitative imaging and AI to optimize diagnosis, prognosis and longitudinal monitoring of patients for Alzheimer's, Parkinson's, multiple sclerosis and other neurological diseases.</p> <p>Our mission is to transform how:</p> <ul style="list-style-type: none"> <li>• patients are screened</li> <li>• therapy efficacy is assessed</li> <li>• health services are personalized</li> </ul> <p>We continuously collaborate with eminent clinics and hospitals worldwide to develop comprehensive, technology-based solutions that cover the entire therapy lifespan – from earlier patient selection to long term monitoring of results.</p>
<b>Job responsibilities &amp; Mission</b>	<p>Reporting to the Chief Engineer, your missions will be the following:</p> <ul style="list-style-type: none"> <li>• Participate in the development of the software architecture of the system.</li> <li>• Optimize algorithms involved in image processing</li> <li>• Write and execute protocols for design verification and validation, notably unit and regressive tests.</li> <li>• Prepare documentation for quality assurance, more specifically for design validation.</li> <li>• Prepare documentation to support design history files and regulatory submissions.</li> <li>• Participate in product and process risk assessment.</li> <li>• Collaborate with different subcontractors and partners.</li> </ul>
<b>Profile</b>	<ul style="list-style-type: none"> <li>• Engineering background in Computer Science, Software Engineering or Biomedical Engineering.</li> <li>• <b>Previous experience</b> in the medtech industry.</li> <li>• Experience with verification and process validation, including statistical rationale.</li> <li>• Excellent verbal and written English.</li> </ul>
<b>Skills</b>	<ul style="list-style-type: none"> <li>• <b>Required</b> <ul style="list-style-type: none"> <li>○ Knowledge of Python, Numpy, Matplotlib</li> <li>○ Knowledge of version management software such as SVN, Git, GitHub, Bitbucket.</li> <li>○ <b>Microservices architecture</b>, Docker, Supervisor</li> <li>○ Experience with AGILE/SCRUM methods.</li> </ul> </li> <li>• <b>Appreciable</b> <ul style="list-style-type: none"> <li>○ Knowledge of DICOM standard</li> <li>○ Experience in highly regulated environments (ISO 14971, EN 62304 and EN 62304, Regulation (EU) 2017/745.)</li> <li>○ Experience with neuro-imaging</li> </ul> </li> </ul>
<b>Contract and remuneration</b>	<ul style="list-style-type: none"> <li>• Full-time position starting as soon as possible</li> <li>• Depending on experience</li> </ul>
<b>Location</b>	Full remote position
<b>Application</b>	Apply by email at <a href="mailto:careers@qynapse.com">careers@qynapse.com</a> , by attaching a resume or a LinkedIn profile. Please feel free to attach other documents that could support your application.