

## Principal Software Engineer



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### Company

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.

Our mission is to transform how:

- patients are screened
- therapy efficacy is assessed
- health services are personalized

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.

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### Job responsibilities & Mission

We are on a mission to create a high-availability SaaS platform to support diagnosis, prognosis and monitoring for patients consulting in clinical centers.

Your tasks will be to:

- Participate in the development of a microservice architecture
- Parallelizing our image processing algorithm and possibly improve them
- Execute benchmarks on different algorithms
- Help build normative datasets in collaboration with the scientific team
- Help improve code maintainability with continuous integration tools
- Conduct validation for our analyses results in comparison with a consensus of experts
- Conduct risk assessment on software units and help write the documentation for regulatory submissions

This position will include close interactions with the DevOps and Image Processing teams.

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### Profile

- Bachelor's degree (Computer Science, Biomedical Engineer)
- Efficient, focused, organized & autonomous
- Experience in the MedTech industry.

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### Skills

- **Required**
  - Knowledge of Python, NumPy, Matplotlib and Pandas
  - Knowledge of version management software such as SVN, Git, GitHub, Bitbucket, Jenkins.
  - Microservices architecture, Docker, Supervisor
  - Experience with AGILE/SCRUM methods.
- **Bonus**
  - Knowledge of DICOM standard
  - Experience in highly regulated environments (ISO 14971, EN 62304 and EN 62304, Regulation (EU) 2017/745.)
  - Experience with neuroimaging

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### Contract and remuneration

- Full-time position starting as soon as possible
  - Remuneration depending on experience
  - Possibility to work remotely
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