SENIOR BACK-END ENGINEER for ARTIFICIAL INTELLIGENCE COMPANY

Aidence B.V. - Amsterdam, the Netherlands.

Join Aidence to improve global healthcare

We are a team of scientists and engineers with the mission to increase quality of healthcare and dramatically reduce healthcare costs. Through artificial intelligence and automated medical diagnosis we want to bring affordable and best in class healthcare to millions of people around the globe.

Aidence is founded by experienced entrepreneurs. We have partnered with some of the world's largest medical companies and are backed by strong investors with medical, imaging and entrepreneurial backgrounds.

Join us in developing groundbreaking solutions that detect some of the world's most complex diseases like early stage cancer, musculoskeletal and neurological disorders.

Using the latest technologies

At Aidence we apply the latest inventions and academic advancements in data analysis and deep learning. We develop our software infrastructure from scratch using the newest frameworks, development tools and high performance GPU hardware. Ever wanted to work on the cutting edge of medical IT? This is your opportunity!

A young company

Aidence is a new and growing venture with the ambition to disrupt the healthcare industry. As one of the first employees you will get the opportunity of shaping the future of this company.

Your job

Our mission is to create software that will analyze 3D medical images and automatically create diagnostic reports with (super) human-level accuracy. You will be leading the development of our back-end infrastructure while working with an extraordinarily talented team of software engineers and computer scientists. This will include devops work like designing the release pipeline and testing framework, integration with client systems, as well as developing image-processing modules and interfacing with deep learning models.

Responsibilities:
- Collect requirements, design and develop the infrastructure of our Deep Learning and API back-ends;
- Work closely with clients and Deep Learning scientists to integrate cutting edge algorithms with medical workflows;
- Work in a structured way to coordinate specs, development workflows and test cases to comply with Quality Assurance (QA) standards for CE and FDA certification;
- Analyse and optimize response-times and performance;
- Acts as team lead and mentor to junior developers;
- Collaborate with the full team to make strategic recommendations and improvements to the technology and business.

Experience:
- Ability to work independently and be self-driven, but also;
- Ability to work in a start-up environment with a multidisciplinary team including medical experts, software engineers and machine learning scientists;
- Ability to use creativity to design, build and code technical solutions;
- Strong analysis skills;
- Fluent in Python and broad familiarity with build/dev tools and languages;
- Experience with deployment and management of cloud infrastructures;

Desirable:
- Experience with machine learning concepts and libraries (esp. Deep learning frameworks like Theano or TensorFlow);
- Understanding of Quality Assurance (CE/FDA) software development process and requirements.
- Familiarity with medical imaging modalities (CT, MR), software (like PACS systems) and data exchange systems in healthcare setting (like HL7, DICOM and IHE)

Compensation:
- Challenging work with cutting-edge technology
- Competitive salary;
- Stock appreciation rights;

Interested to join Aidence?
Get in touch with Juleke Boon at juleke@aidence.com or +31 (0)6 4111 5646