Software Engineer (Back-End)

Full-time permanent employee, Munich, Germany

We are at the dawn of a new era: the omic era. New 'omic' technologies revolutionize medicine and lifestyle by producing large datasets from the molecular analysis of human samples. OmicEra Diagnostics aims to catalyze this revolution. We have developed a next-generation mass spectrometry pipeline allowing the mining of big data for the understanding of human health and disease states. This will ultimately result in earlier disease diagnostics, improved patient outcome, and novel treatment possibilities. Our team is fueled by a diverse knowledgebase, including leading proteomic scientists, artificial intelligence enthusiasts, and serial entrepreneurs. Together, we aim to change the way we think about medical diagnostics and implement the latest omic technologies in clinical routine.

We are based in Munich's biotech cluster in Planegg, offering an interdisciplinary environment with close connections to the renowned Max-Planck-Institute of Biochemistry, the Ludwig-Maximilians-University (LMU) Biocampus and the LMU university hospital, one of the largest hospitals in Europe. Additionally, we benefit from close collaborations with leading industry partners around the globe, offering cutting edge technology as well as fast and continuous development of our proteomics pipeline.

Your opportunity:

You are a skilled professional coder and want to design an infrastructure to deliver groundbreaking science to our clients?

We are seeking an exceptional Software Engineer to design and set-up automated workflows to store, process and visualize extensive proteomics data. The Software Engineer will interact with OmicEra´s Product Management and Data Science team to understand clients' needs and best practices for proteomic analyses. Strong entrepreneurial orientation is beneficial and the ideal candidate has a background in computer science, bioinformatics, molecular biology, or biochemistry with a minimum of 3 years of experience in life science software engineering. This role requires superior skills in Python programming.

Your profile:
- M.Sc. or Ph.D. in Computer Science / Engineering / Bioinformatics / Physics / Mathematics or related fields
- Industry experience is preferred
- Strong proficiency with Git, CI/CD and the whole software engineering ecosystem
- Demonstrated expertise in bioinformatics on omics data sets (preferably but not necessarily proteomics)
- Ability to write clear, well-structured documented and performant Python code

Contact: **Dr. Sophia Doll**
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- Experience with databases (SQL, MongoDB) and PostgreSQL, NGINX, Flower, und Django is a plus
- Experience with cloud computing (AWS), in particular EC2, Batch, SNS etc. and / or workflow management (Apache Airflow) is beneficial
- You are highly organized and like to work in small and agile interdisciplinary teams
- Excellent communication skills
- You enjoy staying up-to-date with new software and data engineering tools and internally promote new techniques and ideas

What we offer:
- An agile and dynamic team dedicated to make a difference in medicine
- A healthy and fun environment in a start-up setting
- A flat hierarchy
- Responsibility early on
- International working environment
- Flexible working hours
- Environment for continuous learning, including conferences and trainings

To achieve our mission, we need people who are willing to transform current medical diagnostics by developing novel ways to read out and analyze big data. We are looking forward to your application documents, including your CV and earliest possible starting date. Please send all relevant documents to doll@omicera.com and feel free to reach out for further questions.

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