

## Job Description

### Quantum Application Scientist

< | We are seeking highly motivated tech geeks who want to discover the future of data analytics & high-performance computing in capital & energy markets. If you are hungry to explore physical, mathematical and financial problems using deep tech, you will find the perfect match in joining our vision to revolutionize capital & energy markets. | >

#### About the company

JoS QUANTUM GmbH is a company focused on creating software, algorithms and IP for various sectors such as finance, insurance, and energy. We develop quantum algorithms and prototypes for risk analysis, pricing, asset allocation, stress testing, network analysis, and more. What sets us apart is our extensive knowledge base spanning across industries and academic background in physics, computer science, mathematics and expertise in software development, quantum algorithms and quantum information science. This diverse expertise enables us to contribute towards the future of generative AI and quantum computing applications in industries that heavily rely on data analysis, computational power and security.

#### Qualifications and Experience:

- University degree (Master/PhD) in quantum information science, physics, mathematics, computer science or equivalent with a corresponding quantitative, analytical or technological specialization.
- Ability to effectively communicate results to technical and non-technical audiences.
- A passion for approaching complex problems with the goal to design and deliver novel practical solutions.
- Interested in complex optimization problems, simulation, machine learning and probabilistic modeling.
- A good knowledge of programming (Desirable languages: Python).
- Demonstrated record of research accomplishments in a relevant area (PhD, postdoc, industry experience).
- EU citizenship is mandatory
- Proficiency in English.

#### What you will do:

- Research, implementation, testing and deployment of quantum algorithms for industrial applications.
- Conducting experiments and benchmarks of quantum algorithms.
- Interpret and prepare output data for clients and team members.
- Go-your-own way! We strongly encourage and support creativity and self-fulfillment to follow your own ideas.

#### What we offer:

- JoS QUANTUM is an early stage startup with big ambitions on becoming the major quantum software supplier. With our flat-hierarchies we are innovative on every level and open for every idea.
- You will have 100% responsibility from day one.
- Flexible working hours: "trusted flextime".

**Apply now by sending us your CV with cover note to [career@jos-quantum.de](mailto:career@jos-quantum.de)**