

Job Description

Quantum Algorithm Developer

#We are searching for highly motivated tech geeks who want to discover the future of data analytics & high-performance computing in capital markets. If you are hungry to explore physical, mathematical and finance problems using quantum information science, you will find the perfect match in joining our vision to build THE quantum software company of the future#

About the company

JoS QUANTUM explores the capabilities and applications of quantum computing for the financial industry and develops high performance software and algorithms to enable use and business cases for risk management, fraud detection, trading and more.

JoS QUANTUM is approaching cutting edge technology together with clients and provides knowledge-transfer and software development services for enterprises, financial institutions, asset managers and trading companies. To enable quantum applications we provide research-as-a-service to develop relevant business cases.

Qualifications and Experience:

- Experience in creating new quantum algorithms and deep familiarity with current quantum and quantum-inspired algorithms.
- 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.
- Understanding of broader mathematical topics around probability, stochastic calculus, statistics, linear programming, nonlinear optimizations.
- A good knowledge of object-oriented programming (e.g. C, C++, Rust, Python).
- Demonstrated record of research accomplishments.
- Proficiency in English.
- Ability to relocate to Frankfurt, Germany.

What you will do:

- Perform independent research by identifying opportunities with a focus on quantum control and noise characterization, quantum algorithm development, quantum error correction, or quantum architectures.
- Develop and maintain our software tools. Create new features, deploy, test, benchmark them.
- 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.
- You will not only have flexible working hours. Furthermore, you will work on "trusted flextime".

Apply now by sending us your CV with cover note to career@jos-quantum.de