

## Job Description

### Data Scientist / Data Engineer / Business & Financial Analyst

< | 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 physics, mathematics, computer science or equivalent with a corresponding quantitative, analytical or technological specialization and familiarity with machine learning and data science.
- 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.
- A good knowledge of programming languages (e.g. python, SQL).
- A good knowledge of machine learning frameworks like Tensorflow or Pytorch.
- Experience in credit business or credit risk management.
- Interested in complex optimization problems, simulation, machine learning, probabilistic modeling.
- Interest in finance (risk management, banking, asset management, trading, payments).
- EU citizenship is mandatory.

#### What you will do:

- Formulate technical specifications from business requirements.
- Data cleaning, ETL and data modeling in various applications.
- Big data analysis of financial data regarding risk measures like loss given default and probability of default.
- Development, implementation, testing and deployment of data driven software.
- Accompany data science processes from proof of concept, through pilots, to operationalization, in order to increase the value of the data. To do this, you will take customer requirements, translate them into technical and methodological requirements, identify appropriate solutions together with your project team, and implement them in an agile manner.
- 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 a major 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.

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