The Company

Aurora Energy Research is a young, dynamic and fast-growing energy analytics company. We provide optimisation solutions and data-driven analytics on European and global energy markets that helps our clients navigate the global energy transformation. Our services include forecasts, software-as-a-service solutions and bespoke consultancy projects.

We were founded in 2013 by a group of University of Oxford academics on the premise that technological progress, and policies tackling climate change, render energy markets increasingly complex, but that this complexity yields to rigorous, sophisticated analysis and modelling.

Our clients include over 100 European energy companies, financial institutions and government, and we have grown to 70+ employees since July 2013, with offices in Oxford and Berlin.

Software Developer

Based in Oxford, you will work alongside our modelling team to develop tools to enable clients to access our services/data remotely. You will develop innovative applications that are key products for our company. The successful applicant will combine technical strength with a strong track record of performance in team-oriented environments.

The successful candidate will work in a creative, intellectually stimulating, and demanding yet supportive environment. They will enjoy autonomy, and the opportunity to develop applications that will influence major decisions in the energy sector. The innovative nature of the role will provide the opportunity for you to develop and broaden your skill set.

Key Responsibilities:

- Design, build and test the new generation of Aurora's software-as-a-service solutions, including a low-latency data download and visualisation platform, and a high-resolution energy market simulation software
- Develop software solutions by studying information needs; conferring with users; studying systems flow, data usage and work processes; investigating problem areas; following the software development lifecycle
- Determine operational feasibility by evaluating analysis, problem definition, requirements, solution development and proposed solutions
- Prepare and install solutions by determining and designing system specifications, standards and programming
- Collaborate with team to brainstorm and create new products

Attributes you are likely to possess:

- **General requirements**

- At least a BSc degree in computer science or a similar technical field of study or equivalent practical experience
- Solid understanding of object-oriented programming concepts
- Solid understanding of relational database design and querying concepts
- Solid understanding of building web applications
- Familiarity with version control concepts
- Strong problem-solving skills

- **Technical requirements**

The successful candidate will come from top universities or have equivalent practical experience and have a broad technical skill set, so will have a solid understanding of the following:
- Java/C++/C#
- Relational Databases
- Application lifecycle management

What we offer:

- A leadership role in a dynamic, fast-growing company
- Opportunity to critically shape one of key parts of the business
- Friendly atmosphere
- Highly-skilled team
- Intellectual challenge
- Competitive remuneration
- A cutting-edge, constantly evolving technology stack, including AWS, NoSQL, Java, Python

Aurora's software applications:

Aurora's software arm offers B2B data and analytics solutions for energy professionals. Our solutions include elements of:

- ELT processes
- Big data storage and mining
- Complex mathematical optimisation
- Data visualisation
- RESTful web services

Applicants should send a CV and cover letter to applications@auroraer.com. We will review applications as they are received. Salary is highly competitive and will be commensurate with skills and experience.