# Software-Engineer, Back-End f/m/d in the Energy Sector

**You want to accelerate the Energy Transition?**
**To you, Artificial Intelligence is not only a Buzz-word?**
**You are ready for a complex, demanding and satisfying challenge?**

**Get in touch!**

**Where?** Aachen　　　**How?** Fulltime, indefinite　　　**When?** From 2019-02-01

## Our profile

Gridhound (www.gridhound.de) is a start-up/spin-off of the ACS institute (Automation of Complex Power Systems) at RWTH-Aachen University and its E.ON Energy Research Center. We developed a solution for innovative and cost-effective monitoring of distribution power grids. Our machine-learning approach for estimating the state of the medium and low-voltage grid in real time actively accelerates the energy transition and enables distribution grid operators to proactively avoid problems and optimize grid operation.

## Your tasks

We are looking for an experienced and passionate software engineer (f/m/d) that thrives in a small, focused and highly collaborative team. You will be working closely with the engineering team to not only develop, but also help define and execute on projects. Strong problem-solving skills, thinking outside the box, dealing with ambiguity and creating your own structures are skills that we value. You will be working on a data processing pipeline based on a microservice-architecture with most of the components implemented in Python, the front-end in JavaScript and the remaining ones in C++ where performance is key. For machine-learning we are working with Keras and TensorFlow.

## Your profile

- Technical degree or equivalent industry experience
- Ideally 2+ years of practical experience in modern software development with Python
- Optimally experience with back end technologies and concepts like Tornado, numpy, pandas, C++, Microservices, Databases (Cassandra, PostgreSQL) and others
- Good knowledge of the deployment mechanisms for Linux (e.g. Docker)
- Appreciation for clean, understandable and maintainable code (DRY, KISS, SOLID)
- Able to communicate technical issues with non-technical users
- Ability to multi-task and manage tasks with varying priorities
- Experience in the energy sector, IT Security or Machine Learning (ANN) are advantageous
- Speak and write English fluently, German or any other language is a plus

## Our offer

- Decision-making scope on diversified and challenging tasks
- Work in a small, agile team with flat hierarchies and good chances on career advancement
- Flexibility and freedom in solving the daily tasks
- Impact on the project, the company and the energy transition
- Application of latest technologies and tools
- Profit-share for well-deserved employees (planned)

## Apply to Gridhound, now!

Write to Nicole Gerlach (Co-Founder) using the email jobs@gridhound.de