

IT SYSTEM ARCHITECT

You are not interested in being just a cog in the wheel and want your work to help solve the climate change crisis? Then HYDROGRID is the place to be!

Our mission at HYDROGRID is to optimally control hydropower plants in real-time through our in-house developed SaaS/IoT solution and thereby make hydro power plants – the best source of renewable energy – even more efficient. With the help of sophisticated machine learning algorithms, our software can accurately align power generation with weather and power market prices. By doing so, we automate processes, save time, and increase revenues by up to 18%. To further support our rapid growth, we are looking for an experienced

System Architect/Senior Backend Developer (m/f)

to further complement our team.

Your Contribution

- Design a scalable and high-performing IT architecture with consideration for database, backend, frontend, and deployment to enable communication with our client's power plants in real-time
- Develop and test database structure and modular backend services & API endpoints for our optimization service "HYDROGRID Insight"
- Maintain and improve our high-functioning IT-architecture, ideally also with consideration for DevOps topics
- Become part of an agile workflow (SCRUM) and take an active role in leading software development
- Mentor junior developers in the team by guarding code quality and helping them make architecture design decisions
- Review code of your colleagues to maintain a four-eyes principle for all deployed code
- Stay up to date with the latest trends in technology and propose new ideas to improve our service and IT architecture even further
- You will work mainly with the following tech stack: Python (Flask, APScheduler, SQLAlchemy, etc.), MSSQL, OpenAPI, Kubernetes & Helm
- Maintaining and improving the existing CI/CD pipeline based on the Atlassian stack and Jenkins

What we are looking for

- You have at least 4 years of experience in software development
- Excellent skills using Python, OpenAPI and MSSQL
- Fluency in English is essential as this is our team working language
- Previous experience or an interest in machine learning & optimization algorithms is a big plus
- Experience or interest in DevOps (Kubernetes & Helm) would be beneficial
- You ideally already have experience in and enjoy mentoring junior developers
- You are motivated to write code which is well-tested and well-documented and to maintain high quality standards
- High level of problem-solving skills and the ability to prioritize tasks
- Previous experience of working in a startup is a plus

What we offer

- The possibility to shape the growth and success of an innovative technology company
- The spirit and energy of a startup combined with the professional standards and customer centricity of an enterprise
- Long-term development opportunities & support for your growth
- Goodies like unlimited coffee, tea, and your very own HYDROGRID pen

We offer a base salary for senior developers starting at €60.000 per year and offer considerable overpayment based on previous experience. Our passion-driven team works tirelessly to optimize hydropower and improve the global energy mix towards a future with sustainable power generation. We value trust, honesty, and creative-thinking and would love to welcome you to our team. If you are also interested in making an impact and solving the global energy issue, please send your application to [join\[at\]hydrogrid.eu](mailto:join[at]hydrogrid.eu) and tell us your motivation to join our pursuit of a future with renewables.