



Senior geospatial software and data architect

(competitive salary and attractive option scheme)

Do you want to be at the core of a fast-paced company that develops the next generation of flood intelligence technology? REOR20 offers the opportunity to be a key member of an exciting team that aims to help global communities and insurers control natural disasters in the face of climate change.

About REOR20

At REOR20, we develop the next generation of models, providing highly accurate hazard information at significantly lower cost. To achieve this goal, we combine high-fidelity computational engineering tools with innovative AI methodologies, enabling detailed modelling while employing minimum resources.

REOR20 was incorporated in 2019 and since January 2020 is part of the ESA BIC CH program. The team has the highest scientific credentials mixed with wide business experience.

REOR20's culture is open, flexible and inclusive. We strive for excellence, we are self-driven, comfortable working in a fast-paced environment embracing the diverse problems we face but we do not forget to have fun. REOR20 is centrally located in Wollishofen, Zurich

The Position

We are hiring our core engineering team to build the first commercial-scale version of our product and deploy it to our early users. The position comprises the link between REOR20's hazard engine and the end-user from a software architecture perspective. As a member of the team, you will be instrumental in shaping the company's data handling and distribution paradigm, as well as get the opportunity to acquire new (or further develop) skills, by being involved in diverse tasks based on cutting-edge technology and infrastructure.

Key responsibilities

- ◇ co-design, develop and maintain the company's data handling and distribution software infrastructure
- ◇ develop workflows for optimal organization and storage of our core engine's output data
- ◇ build and maintain software infrastructure to efficiently convert raw data into web-hosted digital maps
- ◇ build and conduct effective visualizations of spatial data and analytics results
- ◇ propose optimizations that improve scalability and runtime performance



You should apply if you have

- ◇ a solid background in geoinformatics, computer science or software engineering
- ◇ expertise in geospatial data handling, conversion and distribution protocols (e.g. WMS/TMS)
- ◇ experience in working with geospatial databases (e.g. PostGIS)
- ◇ experience in building geospatial data sharing applications (for example using GeoServer, Mapbox, Cesium)
- ◇ experience in creating web-hosted geospatial data visualizations
- ◇ knowledge of relevant and programming languages
- ◇ knowledge of git and ability to write clean and maintainable code is a must
- ◇ knowledge of cloud infrastructure (AWS) is a plus
- ◇ strong motivation and a desire to work in an energetic and fast-paced environment

Interested?

Please sent your application at info@reor20.com by end of September 2021.