

Data Scientist (NatCat)

50-100%

CelsiusPro AG is an Insurtech company based in Zurich specialized in industrializing index insurance solutions to mitigate the effects of adverse weather, climate change and natural catastrophes. We aim to increase resilience against NatCat and adverse weather events, combine risk management with data science, simplify, digitalize and automate the risk management process.

The Technology Team develops risk management solutions, modelling and analytics tools and web-based platforms for corporations, insurers, brokers, governmental agencies, industry bodies, cooperatives and agribusiness companies. We are looking to recruit an additional Data Scientist to expand our capabilities.

You will be responsible for the following tasks:

- Analytics for index-based insurance products and schemes
- Statistical modelling: Empirical models for Natural Catastrophes (tropical cyclones, earthquakes), meteorological events (drought, heavy rainfall), etc.
- Natural Catastrophes (NatCat) modelling with the open-source model CLIMADA.
- Interactive exploration of local and global meteorological, vegetation and NatCat datasets
- Write server-side and, to a lesser extent, frontend code for web-based applications, develop prototypes quickly and create robust high-volume production applications.
- Project responsibility for the whole software lifecycle
- Work with key stakeholders across the company to ensure successful product releases

You have:

- A minimum of two years of relevant experience in the creation and implementation of statistical models, ideally in the context of meteorology, climatology, earthquakes or index-based insurance business.
- Extensive experience with Python and/or R, with emphasis on data analysis.
- R shiny, API development and experience with MongoDB, SQL database, Docker, GIS and large Unix servers are a plus.
- A solid foundation in data science, with strong competencies in operationalizing prototypes of data analytics related applications.
- MSc degree in science or engineering.

You like clean code and good documentation, have experience in developing code as a team, and are not afraid of working with Terabytes of data. You have excellent interpersonal skills, sense of responsibility and proactivity and effective verbal and written communication in English, German is a plus.

Candidates must have Swiss or EU citizenship or Swiss work permit.

We offer a dynamic and international working environment linking climate change risks, index insurance and reinsurance. In addition, you will have the opportunity to get exposed to leading-edge technologies for geographical data analysis and big data. CelsiusPro consists of a data-driven, motivated, and talented young team. If you are open for a new exciting challenge, please send us your complete application including your cover letter and CV by email.

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CelsiusPro AG

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