Job Advertisement – Remote Geospatial Data Engineer

<u>About us:</u>

Are you enthusiastic about sustainable mobility? We are the young start-up Plan4Better. Our goal is to actively promote sustainable mobility through the development of innovative planning instruments. Plan4Better is developing the map-based planning tool GOAT (Geo Open Accessibility Tool), which was developed as a research project at TUM (Technical University of Munich). This tool enables planners to create interactive accessibility analyzes for pedestrian and bicycle traffic, considering various goals (e.g., kindergartens, supermarkets).

This kind of analysis serves as a benchmark to map both the quality of supply with a specific facility and the quality of infrastructure. Using a wide range of spatial data, users can analyze the status quo via a web map and interactively show the effects of possible measures (e.g., building a new pedestrian bridge, building a new daycare center). The application is being developed as an open-source project and made available to expert users as Software-as-a-Service.

Website: https://plan4better.de

<u>Job Description:</u>

You will be responsible for the fuel of our tools and analyses. As a Geospatial Data Engineer at Plan4Better, you will head our data warehouse and be responsible for building a customized ETL pipeline. You will be part of a passionate, and motivated team of GIS (Geographic Information Systems) analysts, front-end developers, and backend developers who are solving a variety of challenges related to transportation and accessibility. We are looking for high-performing, motivated individuals with experience in managing high volumes and diversity of spatial and non-spatial data. You will be able to use cutting-edge technologies and exciting datasets.

<u>Day to day:</u>

- – Develop scaling and adjustable ETL workflows
- – Develop scripts to prepare, refine and fuse different geospatial datasets

- Manage a spatial geodatabase containing vector and raster data
- Research on identifying new data sources and connecting with data providers
- Data analyses and visualization
- Engage on team meetings, project meetings and collaborate with team members
- Make suggestions for improvements

Requirements:

- Minimum 2 years of professional GIS experience
- Experience in writing scripts using Python
- Practical experience with PostgreSQL
- Experience with Desktop GIS, OGC (Open Geospatial Consortium) services and PostGIS
- Experience with Git workflows
- Familiarity with the ETL concept
- Familiarity with the Linux command line
- Able to work independently in a remote team
- Excellent time management and organizational skills
- Ability to work well individually and collaboratively
- Professional level of English

Nice to have:

- Experience with Python Geo libraries (GeoPandas, Shapely etc.)
- Experience with Docker
- Experience using FME and Geonode
- Degree in a Geoinformatics, Data science, Computer Science, or related disciplines

Benefits:

- Work in a thriving and highly motivated international team on cutting-edge technology
- Learn fast new technology and benefit from access to an extensive training program
- Flexible remote working environment (flexible hours, work remotely from your home or we will provide space at a co-working space).

If you are interested, we look forward to receiving your application consisting of letter of motivation and curriculum vitae to (info@plan4better.de). Furthermore, please specify the net salary you are expecting to receive in the letter of motivation. Very much looking forward to hearing from you!