

Cloud infrastructure specialist (m/f/d)

Marble Imaging: We are a German NewSpace company, combining engineering, aeronautics & Earth Observation to address global challenges from community resilience, climate adaptation and disaster management. Marble Imaging is developing its own constellation of Very High Resolution (VHR) multispectral satellites designed to provide frequent global coverage and enable advanced Earth Observation analytics. The first Marble satellite is scheduled for launch in Q4 this year

We are a fast-growing and diverse team, comprised of highly motivated professionals from various backgrounds. We share a common vision to make EO data and analytics more accessible and understandable so they can be incorporated into rapid-decision-making.

The Team: You will be part of the Marble Data and Products (MDP) team. The team is composed of data scientists, engineers and developers working on the development of the Marble data processing software, EO-based analytics and geospatial portal development.

Location: Our headquarters is in Bremen and we have an office in Frankfurt. Candidates should be located in the Frankfurt or Bremen region and be willing to work from one of our offices at least three days per week.

Your role: As a cloud specialist, you will contribute to the design, implementation and maintenance of Marble's cloud infrastructure for our data processing and dissemination pipeline to enable Marble satellite images and analytics to be distributed to our customers. Technologies you may work with include Temporal, Docker, Kubernetes, Python, GeoTIFF, COG.

Your main tasks:

- Design, implement, and maintain the Marble cloud infrastructure supporting EO data processing and dissemination pipelines
- Develop and operate scalable infrastructure for processing, storing, and distributing large volumes of geospatial data
- Deploy and manage containerized services using technologies such as Docker and Kubernetes
- Implement and maintain workflow orchestration and task scheduling systems (e.g. Temporal) for automated data processing pipelines
- Support the integration of geospatial data processing workflows and analytics engines into cloud-based infrastructure
- Optimize system performance, reliability, and scalability for handling large geospatial datasets such as GeoTIFF and Cloud Optimized GeoTIFF (COG)
- Work closely with backend developers, data scientists, and geospatial engineers to ensure efficient data processing and delivery of EO data products
- Contribute to monitoring, logging, and operational tooling to ensure reliable operation of cloud services

Your profile:

- Degree in Computer Science, Software Engineering, or a related field
- Experience with cloud infrastructure (ideally CloudFerro or Openstack)
- Familiarity with CI/CD pipelines and modern development workflows
- Practical knowledge of asynchronous/background processing (e.g., Celery) and message brokers (Redis and/or RabbitMQ).
- Experience working with databases and data storage systems (e.g. PostgreSQL, object storage)

- Familiarity with cloud infrastructure and containerized applications is a plus
- Familiarity with workflow orchestration tools (e.g., Temporal / CWL runners / Argo Workflows) is a strong plus.
- Experience working with geospatial data formats or Earth Observation datasets is an advantage
- Ability to work in an interdisciplinary environment with geospatial scientists, AI engineers, and frontend developers

What we offer you here at Marble Imaging

1. You will be part of a NewSpace company that is revolutionizing the world of EO with its own fleet of European satellites.
2. You will have a chance to work in a fast-growing, multi-disciplinary, and diverse team with a strong desire to change the world.
3. Participation in our VSOP (Virtual Share Option Plan).

At Marble Imaging, we are committed to fostering an inclusive and welcoming workplace. We believe that diverse voices bring diverse perspectives that fuel innovation, creativity, and the ability to tackle global challenges effectively. We encourage individuals of all races, ethnicities, genders, sexual orientations, abilities, and backgrounds to join us in our mission to change the EO world. We are an equal-opportunity employer.

Join us on our mission to explore and reimagine the possibilities of VHR EO based analytics and help us tackle global challenges. If space is the final frontier, you will be getting one step closer to reaching it with Marble Imaging. Contact us for questions and information at contact@marble-imaging.de

Contact for this position:

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Marble Imaging GmbH

Court of Registration: Amtsgericht Bremen, HRB 41893