

Backend Developer – M/W

Permanent contract - Full time
Partial teleworking possible

How to apply:

Send your detailed resume with the following reference 2022-08/DD/DB to recruitment@mercator-ocean.fr

Deadline for applications: 03/10/2022

Date of publication: 05/09/2022

About the job:

Within the Digital Development Department, you will be in charge of the backend developments of Mercator Ocean International's new Cloud services, developed and deployed in the framework of the European Commission's Digital Twins of the Ocean implementation programmes.

The Digital Development Department will prototype and implement a public platform to develop these digital twins. This platform will offer users the opportunity to produce and store oceanographic data online, by defining regular or on-demand reproducible tasks. The data can be viewed, catalogued and shared with their communities. This new platform should integrate with existing services, including ocean data access services or supercomputers.

You will be part of a multidisciplinary team working in an international project for the protection of the oceans and the marine environment.

In this context, and within the expanding Digital Development department, you will be more specifically in charge of :

- Developing and deploying backend services, integration tests and continuous integration and deployment chains (CI/CD)
- Ensure technology watch in order to test and select the most relevant tools to integrate into the technical stack for the backend implementation.
- Working with Cloud Operators (Ops) to converge towards an efficient development and deployment method (DevOps approach, Infrastructure as Code)
- Analysing feedback, maintaining, and implementing new features.

In addition to these missions, you will have the opportunity to provide support on other subjects depending on the current state of the department, and work with Mercator Ocean International's engineers and scientists to understand their needs, respond to them and help them adapt to the new platform.

Assets for success:

You have a MSc. degree or an engineering degree in computer science or equivalent with a minimum of 3 years professional experience specialised in backend.

You are willing to join a development team working in Agile method with a Devops approach, and valuing pair programming.

We are looking for candidates with:

- With experience in Cloud Native application development and understanding the challenges of production services.
- Being very familiar with the Python and/or Java ecosystems and curious about new technologies.
- Comfortable with continuous development tools such as Git, GitLab, bash, Jenkins and Docker.
- Fluent in written and spoken English

An interest in functional programming and/or skills in scientific development with R or Julia would be an asset.

Your rigour, vigilance, organisation, as well as your good capacity for analysis and synthesis will contribute to the smooth running of the company.

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Who are we?

Mercator Ocean International has been developing operational oceanography activities for nearly 25 years, as part of its public interest mission to preserve the ocean.

Many scientific and societal challenges must be met to ensure a sustainable ocean, whether they concern the environment, biodiversity, climate change, the blue economy or education. To meet these challenges, Mercator Ocean designs, develops, operates and maintains state-of-the-art digital systems capable of describing, analysing and forecasting the state of the ocean in 3D, continuously and in real time. The scientific information is then translated to be accessible to all, whether they are public or commercial services, political decision makers, industrialists, associations, NGOs, teachers or citizens. Mercator Ocean International thus combines scientific excellence and social commitment on a daily basis.

As a non-profit company under multinational governance (ES, FR, GB, IT, NO), we work in a climate of trust with our ten shareholder partners, all key players in the development of European oceanography.