Software Developer for the Earth Observation Centre of Excellence

DHI is a global and independent company dedicated to working on challenges within the fields of water, environment and sustainability. Within these fields, we provide a wide range of advisory, digital advisory, research and water governance services as well as providing leading edge software products to the market.
By joining DHI, you will not only become part of a dynamic and collaborative global team of experts; you will be empowered to innovate, engage, and grow. We are constantly looking for passionate and talented people who are eager to join our team.
Are you a motivated and skilled software developer with a passion for making an impact?
Do you enjoy combining your strong coding and problem-solving skills with the thrill of seeing your work enable better environmental insights and decision support?
Then here is your chance to join a group of talented, curious, and friendly colleagues and become a valued member of our team.

Your role

As a Software Developer within our Earth Observation Centre of Excellence, you will play a key role in developing and deploying intelligent software solutions that turn satellite and geospatial data into actionable insights.
You will bridge the gap between software engineering and machine learning by designing robust APIs, building scalable systems, and integrating deep learning models into production environments.

Your key responsibilities

- Design, develop, and maintain data-driven applications and APIs for Earth Observation projects using Python and modern web frameworks

- Develop and integrate deep learning and computer vision models (e.g., segmentation, classification, object detection) into production systems

- Contribute to MLOps workflows, including model packaging, deployment, and monitoring in production environments

- Deploy and manage services in the cloud (primarily Azure)

- Collaborate closely with Project Managers, Domain Experts, and Remote Sensing Specialists to turn their knowledge into efficient software and AI solutions.

An ideal candidate will have

- 3+ years of professional experience as a Software Developer or Machine Learning Engineer

- Experience with **PyTorch** or **TensorFlow**.

- Experience with FastAPI or similar Python web frameworks

- Knowledge of cloud architecture: Comfortable deploying services using Docker, Kubernetes, infrastructure as code ect.

- It is a big plus if you have experience or interest in working with satellite imagery and geospatial libraries such as STAC, Xarray and GDAL

- Experience with working with data flow automation and orchestration

- Innovative and curious mindset

- Good communication skills and proficient in English

We offer

To work at DHI means being part of an organisation that is the global leader in solving the world's toughest challenges in water environment. We will offer you:

- A job in an international company that focuses on innovation and sustainability. DHI is focused on solving the environmental problems of our planet – and you will be part of this mission.

- A team of highly motivated colleagues all around the world, experts in digital water space.

- Professional and personal development. We empower our people. We ensure that they have the freedom to innovate and grow. We recruit professionals who can unite our technical excellence with our business excellence – and always maintain our professional integrity.

- Flexible working opportunities and a culture where trust, teamwork and a friendly tone are key elements.

Office location

- Hørsholm, Denmark

How to apply?

- To apply for this position, please submit your application including CV via the relevant job posting on DHI's website (https://www.dhigroup.com/careers).

- Deadline for application 15.03.2026.

To apply for this position, you must <u>currently be located in and have the right to work in Denmark</u> without restrictions. We are unable to sponsor applicants for this position.