

# Scientific Software Developer

*We are looking for Scientific Software Developers to drive the development of our global software solution for environmental modelling. At the same time, you will be joining great colleagues in a truly international company who are solving global challenges in water environments.*

## **Who is DHI?**

DHI is a global and independent company dedicated to challenges within the fields of water and environment and sustainability. Within these fields, we provide a wide range of advisory, research, and digital services, and we provide leading edge modelling tools and software, the MIKE Software technologies and products.

By joining DHI, you will become part of a dynamic and collaborative global team of experts and you will be empowered to innovate, engage, and grow in your area of expertise. DHI is committed to disseminate our knowledge effectively and across our worldwide network of offices and users. DHI has more than 1,000 highly skilled employees in 27 countries around the world, whereof about 325 are located in our headquarters in Hørsholm, Denmark.

## **Your responsibilities and challenges**

We are currently seeking Scientific Software Developers to help enhance and extend two of our modelling software tools: a) MIKE 1D for modelling flows in rivers and sewers, and b) MIKE SHE for modelling integrated catchment hydrology and groundwater flow.

You will be joining our dedicated team of engine developers at our headquarters in Hørsholm, Denmark to:

- Develop state-of-the-art mathematical modelling software in collaboration with internal and external domain experts.
- Supporting the modelling work of our external customers and our own engineers with new features.
- Research, develop, deploy and document scientific software solutions.
- Collaborate with colleagues, other project teams, project managers, and product owners to set schedules, discuss strategies, improve processes, evaluate results etc.

## **Your qualifications and personal skills**

We are looking for a new colleague to join us on our quest who has a Master's or PhD degree that involves applied mathematics and numerics. And you need to have experience and interest in software development and software engineering.

Solid experience with:

- Solving ordinary and partial differential equations numerically
- Programming Finite Volume/Finite Element/Finite difference methods
- Design of software and components, object oriented programming, design patterns
- API design, development and maintenance
- Optimizing algorithms and libraries for performance

Ideally experience with:

- Modelling of flow problems, like Navier-Stokes or Saint Venant equations.
- Parallelization techniques like MPI, OpenMP, and GPU/CUDA
- Estimating and planning software-development activities
- Azure DevOps pipelines
- Microsoft Azure or HPC environments

Since, we are a multi-cultural office in Denmark within a truly global organization, fluency in English is a must. Danish language skills would be an advantage.

## **We offer**

At DHI our projects and products contribute directly to saving water, energy, and resources. Our software is used around the world to help clients and customers make better decisions related to water. To work at DHI means being part of a global, multi-disciplinary community that is on a mission to make the world a better place. We will offer you:

- An informal, dynamic and flexible working environment
- A truly international workspace with global presence and diverse teams
- A team of highly specialized and dedicated, helpful and outgoing colleagues
- A job where innovation is critical to us and our customers
- A great opportunity to utilise, shape and expand your skills and expertise.

- Flexible working arrangements from our headquarters in Hørsholm

**Office location**

The position is in Hørsholm, Denmark about 20 km north of Copenhagen in the beautiful DTU Science Park. The Science Park is easily accessible by express bus from DTU and Nørreport Station.

**How to apply**

- Please submit your application including CV via the relevant job posting on DHI's website:  
<http://www.dhigroup.com/careers>
- Deadline for application is September 14th 2025
- For further information please contact **Jesper Grooss**, [jgr@dhigroup.com](mailto:jgr@dhigroup.com).