

Software Build & DevOps Architect

We are looking for a Software Build & DevOps Architect to modernize and optimize the build and release ecosystem of our global software suite 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

MIKE is developed across multiple languages (C++, C#, .NET, Fortran, and Python APIs) and powers mission-critical solutions in environmental modelling and engineering. The role requires someone who can modernize a legacy build system into a scalable, automated CI/CD platform while understanding the unique challenges of desktop software builds.

You will be joining our dedicated engineering team at our headquarters in Hørsholm, Denmark to:

- Architect and implement a modern build automation and CI/CD framework for MIKE desktop software across Windows and Linux platforms.
- Migrate from legacy build systems to config-as-code pipelines (Jenkins, Azure DevOps, GitHub Actions, or similar).
- Build, maintain, and optimize Docker containers with required compilers, SDKs, and development tools.
- Define and enforce best practices for dependency management (CMake, Conan, NuGet).
- Integrate automated testing (unit, integration, regression, performance) into CI/CD pipelines.
- Ensure artifact management, versioning, and traceability across all builds.
- Collaborate closely with product teams to onboard repositories into the new pipelines.
- Mentor engineers transitioning from legacy build processes to modern, cross-platform workflows.
- Drive continuous improvement in build reliability, speed, and developer efficiency.

Your qualifications and personal skills

We are looking for a new colleague to join us on our modernization journey who has a Master's or Bachelor's in Computer Science engineering and has a strong background in software build engineering and DevOps practices.

Solid experience with:

- Proven track record as a Build/DevOps Architect or similar role.
- Expertise with CI/CD platforms such as Jenkins, Azure DevOps, or GitHub Actions.
- Hands-on knowledge of both Linux and Windows build environments, including compilers, shells, and scripting ecosystems.
- Practical experience configuring and troubleshooting build pipelines for C++ and .NET/C# across Windows and Linux.
- Solid knowledge of CMake and package managers such as Conan and NuGet.
- Scripting proficiency (Bash, PowerShell, Python, or Groovy) with strong emphasis on Linux shell scripting.
- Strong Git experience managing multi-repo workflows.
- Deep understanding of build artifact management and release engineering.
- Hands-on experience with Infrastructure as Code (e.g., Terraform).
- Proven experience building Docker containers for development, build, and test environments on both Linux and Windows.

- Strong knowledge of Docker and Kubernetes for build and test orchestration.
- Excellent problem-solving abilities and strong cross-team collaboration skills.

Ideally experience with:

- Configuring and troubleshooting Fortran build pipelines.
- Modernizing legacy build systems in complex engineering environments.
- Installer creation and licensing workflows for cross-platform desktop software.

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 October 31st, 2025
- For further information please contact **Karthik Balachandran**, kbal@dhigroup.com.