

Senior Software Engineer (m/w/d)

NDT Global is the leading provider of ultra-high-tech diagnostic inspection solutions, advanced data analysis and integrity assessment services for ensuring the safety and longevity of energy-sector infrastructure assets. Recognized as the forerunner in ultrasonic inspection technologies comprising Pulse Echo, Pitch-and-Catch and Phased Array, as well as Acoustic Resonance (ART Scan) methodologies, the company also deploys a range of non-ultrasonic technologies, such as Inertial Measurement Units, with more under development. NDT Global strategically applies its inspection technologies to detect, diagnose and model various types of threat—circumferential or axial cracks, metal loss, geometry, mapping, and more—across diverse classes of assets. By providing predictive, decision-ready insights driven by the world's most accurate data, NDT Global enables the conditions for asset owners to optimize infrastructure health and drive operational efficiencies while reducing risk and minimizing their carbon footprint.



For our algorithm development team, we are searching an experienced software developer to make new ideas become reality. We are working in the domains of signal and image processing, applying enhanced data reduction methods, searching for new visualization methods, and inventing and training models to get the best out of the various ultrasound methodologies the company uses. We are part of the company's research department having the opportunity to design the next generation of measurement tools and methodologies. Our goal in every research project is a working, clean and tested prototype which can cope with complex algorithms but also with the situation of various data sources and high amounts of data. In a team of physicists, mathematicians, and engineers the responsibilities will be

- Implement new solutions in the fields of algorithm development and data science covering signal/image processing, enhanced data structure, data reduction, databases, and visualization
- Push boundaries in terms of performance gain, clean coding and code testing
- Design and setup architectures for efficient testing of algorithms on big datasets
- Design and setup prototype interfaces to enable customers to use and test new algorithms

Requirements

- A Master's degree in Natural Sciences, Engineering, Computer Science, Mathematics or similar
- At least 5 years of experience in software development projects
- Experience in transferring development projects into daily business.
- Experience in deploy on premise clusters and/or cloud computing.
- Proficient in spoken and written English
- Advance knowledge of Python, C#, or MATLAB

Benefits

- Great long-term career prospects and development opportunities
- Challenging tasks in innovative and diverse teams
- Attractive compensation system
- Flexible working environment
- Job bike



Interested?

Please apply via [Senior Software Engineer - Career Portal \(dayforcehcm.com\)](https://dayforcehcm.com)

We are looking forward for your application.

If you have any further questions please do not hesitate to contact Mr. Tom Sander (Career@ndt-global.com).