C++ Software Engineer Digital Thread Technology (m/f/d)

Company: MathWorks – Product Development

Location: Munich Office; Weihenstephaner Str. 6

Work Model: Hybrid

Job Summary

Join us developing **the MathWorks digital thread**, a high performance and scalable C++ based service infrastructure. As part of the global development team, you will work on leading edge software solutions that help companies in aerospace, automotive, railway and industrial automation industries streamline the development of certified software for their safety critical embedded systems using the complete MATLAB and Simulink product family.

Responsibilities

As a member of our global development team, you will be responsible for extending our digital thread infrastructure. Specifically, you'll:

- Develop highly performant analysis capabilities for graph data structures.
- Contribute to a service-oriented architecture to interact with all our tools used by our customers to develop and verify embedded software.
- Develop sophisticated traceability analysis capabilities.
- Develop services for performant data query and analysis for cloud native solutions.
- Participate in the full software development cycle, from requirements gathering and use-case analysis, to specification, architecture, design, implementation, and testing.
- Collaborate with cross-functional teams including quality engineers, documentation, and user experience, as well as other MATLAB and Simulink development teams.

Minimum Qualifications

- A bachelor's degree and 7 years of professional work experience (or a master's degree and 5 years of professional work experience, or a PhD degree, or equivalent experience) is required.
- Programming experience in C++
- Expertise with object-oriented design
- Candidates for this position must be authorized to work in Germany.

Visit our website at mathworks.com/careers for mor information and to apply!