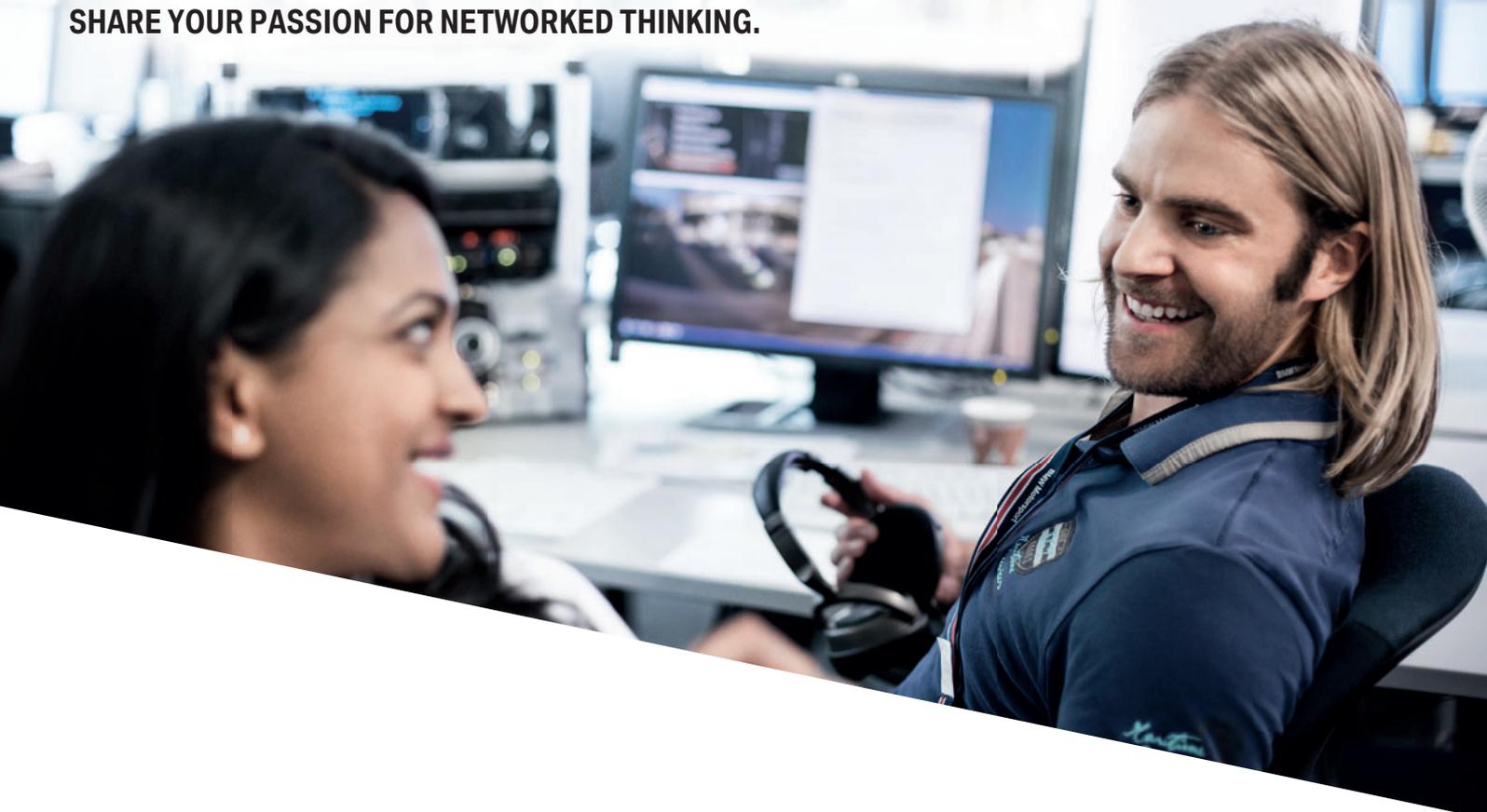


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Developer Functional Safety and Software for Autonomous Driving (f/m/x)

Job reference: 118258

Change the world by making autonomous driving safer. Do you want to be part of a revolutionary innovative culture and develop cutting-edge technology that enables autonomous vehicles to safely navigate dynamic and complex environments, including urban settings?

As part of your role as Developer Functional Safety and Software (f/m/x) in our autonomous driving department you will be joining one of our agile feature teams that develop sophisticated algorithms based on state-of-art methods from perception and fusion, robotics and machine learning.

Since autonomous driving imposes very high demands on safety, you will use your expertise to contribute to functional safety according to ISO-26262 and Safety of the Intended Function (SOTIF). You will perform safety analyses on a system level (such as HARA, DFA, CCA, FTA, FMEA) and develop safety concepts (both, functional and technical) for fail-operational systems.

As a passionate software developer, you care about writing clean and reusable code and testing is an integral part of your every-day routine. When developing algorithms, you adhere to design patterns and keep the overall software safety architecture in focus. You validate your software solutions continuously in a simulation environment as well as in real test vehicles and make sure that they accomplish the given safety requirements. Your daily work will involve intensive interdisciplinary collaboration with our high-tech industry partners at an international level. Our brand-new Autonomous Driving Campus offers the infrastructure you need to work productively and focus on the software for the automobile of the future.

You should have:

- University degree in Computer Science, Engineering or a related field of study.
- Expert knowledge in safety analysis techniques and system-level safety concepts.
- Deep knowledge in object-oriented design, algorithms and data structures.
- Advanced experience in functional safety (ISO 26262).
- Advanced experience in software development using C++ and Python.
- Experience with software testing and test-driven development.
- Fluent business English and good German language skills.

Are you looking for an exciting challenge? Then join our team. We look forward to receiving your application. You can find detailed information and apply online at www.bmwgroup.jobs



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