## Senior Software Engineer - Aerospace

Are you interested in developing high-end electronic systems for the aerospace industry? We at DSI develop hardware and software solutions and computer technologies as well as innovative communication systems for space applications.

DSI hardware and software are flying as part of prominent space programs such as ExoMars (Mars mission) Copernicus (meteorological satellite) and JUICE (Jupiter mission). Since 1997, our steadily growing team has been producing highly innovative, customer-specific and dependable solutions.

For the upcoming projects we are looking for you to strengthen our team at DSI Aerospace Technologie GmbH!
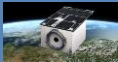
**What are your responsibilities?**

- Requirements engineering – supporting a project system engineer in customer requirements analysis, requirements management, HW/SW functional partitioning, SW requirements specification
- Aiding in technical planning: preparing SW development, test, verification and validation plans
- Aiding in the design of SW and its interfaces, authoring SW design and interface control documents (in English), analysing SW performance
- Potentially (based on experience/capability) leading the design and development of SW and operational aspects of a system/unit on a given project (lead SW engineer/SW system engineer role), management of the technical customer interface for these aspects
- Participation in SW coding/low-level testing, acc. to project/company needs
- Participation in verification and validation, including test specification preparation
- Ensuring the successful integration of SW in the product as a whole, collaborating with hardware, FPGA, software, verification, system and quality engineers, helping to achieve the technical, quality and managerial goals of the project

**What do we expect from you?**

- Completed degree in Computer Science, Computer Engineering, Electronics or a comparable field
- At least 3-5 years of experience in the field of embedded software development, preferably in the space industry, but at the minimum in a domain with similarly rigorous processes (e.g. aviation, automotive, medical instruments)
- A high level of knowledge and experience in the use of the C programming language
- Knowledge of software engineering principles and processes
- A structured, independent and responsible approach to work and a high level of quality awareness
- Ability to see how your work fits into a larger project and product and readiness to work with colleagues to achieve its integration
- High level of written English and some fluency in spoken English, ideally at least basics in German
- Extra advantages are knowledge of and experience with real-time embedded operating systems, real-time software development, unit testing tools, embedded processor simulators, C++, scripting languages
- Knowledge of software development standards (especially ECSS-E-ST-40C and ECSS-Q-ST-80C) and coding standards is also a plus

**What are we offering?**

- Competitive salary and up to +100% company contribution to corporate pension insurance
- Highly interesting topics and application domains including our main field of embedded software for electronic satellite payload equipment
- Challenging and varied tasks encompassing all aspects of software engineering from requirements engineering to design, coding and verification
- Opportunity to branch out into other fields within the company (engineering analyses, testing of hardware and firmware, development of software for satellite ground support and test systems)
- Friendly and informal team atmosphere with a flat organisational hierarchy in an international team
- Possibility of flexible and family-friendly working hours and central location with good transport links
- Company-financed fitness club membership