



## Embedded Software Engineer (m/f/d) – Small Satellite Systems

at Berlin Space Technologies in Berlin

### About Us

Berlin Space Technologies GmbH (BST) is a global leader of #NewSpace, and one of the Deutscher Mittelstands Summit's #Top100 most innovative German SME of 2023. BST develops and distributes small satellite systems mainly for earth observation and training programs. We offer a full scale of cost-efficient products and associated services ranging from subsystems to full satellites. BST is a vertically integrated company with around 50 employees from 10+ nationalities. We offer attractive employment conditions, flat hierarchy, modern workplaces, hybrid working, and flexible working hours in a space technology company with global reach!

### Overview

To meet the growth demand set by incoming projects we are looking for an Embedded Software Engineer. The team you will be in is responsible for the software of every satellite and satellite subsystem made by BST. Your tasks are designing, developing, testing and maintaining the embedded systems and bringing them together in our satellites. As part of our team, you will have the chance to take part and impact the whole development cycle of a complete satellite.

### Your Tasks

- Design and development of new drivers and firmware for embedded systems using ARM based micro-controllers
- Work closely with electronic, test teams to solve complex problems and create robust products
- Adapt and improve the existing software
- Design and develop Graphical User Interface (GUI)
- Testing and verifying the functionalities of the software
- Writing documentation and reports

## Your Qualifications

- Degree in “Embedded Systems”, or aerospace engineering, with experience in software development for satellite subsystems
- Strong knowledge of C and ARM based microcontrollers
- Experiences with standard protocols SPI, I2C, USART, CAN, ...
- Experiences with hardware abstraction layers
- Strong understanding of modular and scalable designs
- Experience in C++
- Familiar with electronics, schematics and datasheets
- Nice to have: unit testing, knowledge of encryption and secured communication, image processing, knowledge of NXP SoC
- Methodical and structured work
- Analytical and problem-solving skills
- Fluent english, written and spoken German is a plus
- Enthusiasm for space and new technologies and working in a dynamic international team

Please consider applying even if you do not fulfil all the qualifications.

## Your Benefits

- Working in a young, friendly and international team
- Diverse and challenging tasks with space for your own ideas
- Fast decision-making processes and dynamic, team-oriented working environment
- Flexible working time and paid overtime

## Interested?

Then please send us your resume with salary expectations and earliest possible starting date by email with subject “Software Engineer” to [jobs@berlin-space-tech.com](mailto:jobs@berlin-space-tech.com) (contact person: Hai Le Dang). We are looking forward to your application.