



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

at Berlin Space Technologies

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 more than 80 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 ARM based embedded systems
- Adapt improve and extend the existing software of satellite subsystems and ground testing devices
- Design and implement automated test software to verify the systems functionality
- Work closely with other engineering teams to solve complex problems and create robust products
- Writing documentation and reports
- Embrace and adapt to new technical challenges

Your Qualifications

- Degree in software or other engineering field (or equivalent qualifications) with 3+ years' experience in embedded software development
- Strong knowledge of C and ARM based microcontrollers, SPI, UART, CAN, etc.
- Experiences with hardware abstraction layers, strong understanding of modular designs
- Familiar with schematics and datasheets of electronic boards and devices
- Fluent English – written and spoken (German is a plus)
- Enthusiasm for space and new technologies and working in a dynamic international team

Any of these qualifications would be a nice to have

- Experience in C++ and unit-testing
- Knowledge of encryption and secured communications, especially in the space domain
- Knowledge of image processing

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

Your Benefits

- Working in a passionate, 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 "Embedded Software Engineer" to jobs@berlin-space-tech.com (contact person: Hai Le Dang). We are looking forward to your application.

You are welcome to share your public GitHub or GitLab profile if you wish to do so.