



Space Avionics Simulation & Software Engineer (all gender)

Friedrichshafen

Reference Number: REF18823H

#weareALTEN - the home of forward thinkers

We are the designers of today for the world of tomorrow.

As one of the world's leading engineering service providers, we at ALTEN are committed to positively shaping the future of our partners, the careers of our employees and the challenges facing our society and environment.

More than 50,000 employees in 30 countries are already working on innovative solutions in various engineering and IT sectors such as aerospace, renewable energy, medical technology, railway technology and automotive.

Make it happen

YOU...

- develop and adapt onboard software (C/C++ <14) for satellite simulation and system integration environments
- analyse and manage complex interactions between subsystems, communication interfaces, and simulation building blocks
- design, configure, and troubleshoot system communication and networking interfaces (e.g., protocol-level)
- perform integration, verification, and validation activities (e.g., SIL) on system level
- support debugging, root cause analysis, and optimization in a Linux-based environment
- collaborate with multidisciplinary teams across system engineering, software, and testing

Be our forward thinker

YOU bring...

- a degree in aerospace engineering, computer science, or a comparable technical field

- solid experience in systems integration, simulation, or embedded/software systems engineering
- strong programming skills in C/C++ and/or Python
- hands-on experience with Linux environments and integration/test setups
- good understanding of networking and communication protocols
- experience with simulation environments, test benches, or SIL/HIL setups
- familiarity with avionics, onboard software, or satellite systems
- strong analytical skills to understand complex systems and interfaces
- knowledge of Aerospace Standards: ECSS-E-ST-10, ECSS-E-ST-40, ARINC 653
- English (C2) and German (B1) skills

We value diversity and therefore welcome all applications – regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, sexual orientation, and identity.

Severely disabled persons will be given preferential consideration if equally qualified.

Apply now using our online application form.

A home where people learn and thrive

- **Talent management** – we develop your career
- **Work-life balance** – flexible working hours and mobile working possible
- **Fit and relaxed** – with EGYM Wellpass
- **Enjoy biking** – always on the road with company bike leasing
- **Green mobility** – with us, you can travel at a reduced rate

...we also offer a permanent employment contract, corporate benefits, and team events.

Your contact person

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