



## Flight Software Engineer

### Location

Munich, Germany

### Employment Type

Full time

### Department

Engineering ›

Flight Software

## OverviewApplication

Here at The Exploration Company, we are developing, producing, and operating Nyx, a modular and reusable space orbital vehicle that can eventually be refuelled in orbit and that can carry cargo - and potentially humans in the longer run.

We want you as a talented Flight Software Engineer to help us in our mission by developing and testing critical software responsible for the operation of the Nyx spacecraft.

**\*Applications at all seniority levels are considered.**

### Key Responsibilities

In your capacity as a Flight Software Engineer, your role will be continuously evolving, but day to day your duties will include:

- Own the requirements for a specific sub-system
- Responsible for implementation of Flight software modules (Sub-system)
- Responsible for writing clean unit tests

- Collaborate with other teams (e.g. Avionics, Propulsion)
- Contribute to a high-fidelity spacecraft simulator and collaborate with the GNC team
- Responsible for Integrated tests

### What we would love to see from you

- Strong C++ skills (C++14 and above)
- C / Embedded C experience
- Strong Python skills
- Familiarity with debuggers (GDB, LLDB)
- Good understanding of math & physics
- Focus on detail, quality, and testing
- Experience with CI/CD systems and build systems

### Nice to have

- Knowledge of safety critical and real-time critical software and familiarity with RTOS
- Good understanding of communication protocols such as: TCP/IP, UART, CAN Bus and serialization
- Experience with automotive or flight software frameworks
- Experience with industry standards such as AUTOSAR, ECSS, DO-178

### Why you should join us!

What makes us special here at The Exploration Company and why we think you will enjoy working here is:

- We're Agile - we make decisions fast whilst keeping our goals and systems in mind
- We're Open and Collaborative - we are transparent about risks and obstacles, so that we can cooperate to overcome them
- We have a lot of Fun - we refuel our energy knowing we are democratising space. It's a wonderful and rare opportunity, are YOU up for the challenge?

We'd love to hear from you if you wish to be a part of our journey. Please submit your CV now for immediate consideration and we will be in touch shortly.

*The Exploration Company is an equal opportunity employer and values diversity. We do not discriminate based on race, religion, colour, national origin, gender, sexual orientation, age, marital status or disability status. Relocation assistance is provided for those willing to relocate including visa sponsorship where applicable.*

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