



**POSITION : Software Engineer**

**DETAILS**

**Position type :** full-time/CDI

**Starting :** September 2018

**Salary :** depending on experience

**Location :** Toulouse, France



**ABOUT EXOTRAIL**

Exotrail is a French start-up based in Ecole polytechnique in France. We are part of the *New Space* global movement that is disrupting the space industry. In the past 10 years, the cost of access to space has been divided by 1000. Private companies are investing billions of dollars to develop constellations of small satellites to deliver Internet everywhere, IoT communication or very high revisit rate Earth observation services.

Our vision at Exotrail is to help building an agile space. We are developing propulsion and operation technologies for these small satellites. Our small propulsion system is the smallest Hall Effect Thruster in the world. Thanks to our electric propulsion system and our unique operation software, small satellites can change their orbit after launch. With this new agility, they increase their performance while lowering their costs.

We believe that this is only the beginning and that small satellites equipped with propulsion will be able to deliver new space services to entirely disrupt the space industry by being able to service, repair, assemble and manufacture spacecrafts directly in orbit. Join us and be part of our great ambition !



**JOB DESCRIPTION**

- You will work on software development to provide an easy-to-use operation solution for our customers. Your main objective will be to build the software architecture and user interface. You will have to:
  - Create software architectures with the input from our satellite maneuvers design engineer;
  - Develop user interfaces to provide an easy-to-use product;
  - Create API and/or SDK to interface our software with our clients' ones;
  - Be proactive and propose solutions to the problems you may identify.
- Additionally, you will help the satellite maneuvers design engineer to structure its scientific code.
- You will report directly to the Chief Scientific Officer.

**PROFILE**

- You must have an engineering background with a strong experience in software development. Ideally, an experience in space dynamics, aerospace engineering, and/or scientific programming languages (Matlab, Python, C, Fortran, ...) is certainly a plus.
- You should have very good soft and presentation skills (presentations, technical documentation, assumptions, oral presentation). You need to be able to work with a great autonomy. You must have a full proficiency in English or French (both is a plus). You must have very good analysis skills and work efficiently.
- You should be passionate with space and entrepreneurship and be ready to work in a very demanding, evolving and challenging environment – and be ready to propose suggestions and be proactive!

**CONTACT**

Send an email at [careers@exotrail.com](mailto:careers@exotrail.com) with a CV and a cover letter

