# Job Title: Software Engineer

Req ID **7283** - Posted **12/07/2018**



## EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Technology, Engineering and Quality.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

### Post
Software Engineer

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

### Location
ESTEC, Noordwijk, The Netherlands

### Description

Software Engineer in the Flight Software Systems Section, Software Systems Division, Systems Department, Directorate of Technology, Engineering and Quality.

The Flight Software Systems Section provides functional support to ESA projects and carries out research studies (R&D) in the field(s) of real-time embedded software systems, flight software systems development and software validation facilities.

### Duties

Reporting to the Head of Section and within the technical fields described above, the main tasks and responsibilities of the post holder will include:

- providing expert technical support and consultancy to ESA projects, programmes and general studies in the field of real-time embedded software systems, flight software systems development and software validation facilities;
- participating in feasibility studies, project reviews and evaluation of procurement proposals;
- identifying critical development problems and assisting in their resolution;
- contributing to the definition of technology development requirements and work plans for the Agency's technology programmes;
- defining, initiating and managing R&D activities covering both long- and short-term needs;
- fostering new application areas for multidisciplinary activities, placing emphasis on innovative concepts, cutting-edge technologies and system architectures;
- monitoring applicable scientific and technological trends and maintaining a state-of-the-art expertise;
- contributing to the dissemination of the results of the activities performed and the transfer of knowledge across the Agency

Duties may also include supporting other activities within the post holder's field of competence.

### Technical competencies
Software engineering methods and tools
Experience in real-time embedded software

Experience in safety critical software
Experience in software development projects
Spacecraft systems knowledge
Project support experience in a relevant domain
Experience in monitoring industrial activities, including participation in reviews
Experience with Space Engineering Standards and their preparation and implementation

## Behavioural competencies
Communication
Teamwork
Problem Solving
Results Orientation
Planning & Organisation
Continuous Learning

## Education

A Master's degree or equivalent qualification in computer science and/or electrical engineering is required.

## Additional requirements

Applicants for this post should have a background and experience in embedded real-time systems. Extensive knowledge of modern software engineering and practical experience in spacecraft software engineering is an asset.

## Other information

For behavioural competencies expected from ESA staff in general, please refer to the ESA Competency Framework.

The working languages of the Agency are English and French. A good knowledge of one of these is required.
Knowledge of another Member State language would be an asset.
The Agency may require applicants to undergo selection tests.

**The closing date for applications is 23 August 2018.**

If you require support with your application due to a disability, please email contact.human.resources@esa.int.
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Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom and Canada and Slovenia.

According to the ESA Convention the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. Priority will first be given to internal candidates and secondly to external candidates from under-represented Member States when short-listing for interview.
*(*http://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf*)*

In accordance with the European Space Agency's security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment.