

Space Applications Services NV/SA is a dynamic international company with 30 years experience in performing and supporting system and software engineering for the European Space Agency (ESA), National Space Agencies and the aerospace industry.

We work on international manned & unmanned spacecraft programmes, earth observation, science, exploration, communications and related technology development.

We are looking for a:

Software Engineer for Earth Observation Applications Development (M/F) (SE-SYS-EOS-2017-10-HQ-001)

The successful candidate will be based in Sint-Stevens-Woluwe, Brussels area, and will join the Earth Observations Systems (EOS) Team which has the following expertise:

- Develops complex software systems combining state-of-the-art technologies from Earth Observation (EOS), Geographic Information Systems (GIS), and Knowledge Management (KM) domains.
- Leads projects for the European Space Agency (ESA).
- Is involved in European Commission (EC) programmes, especially in the Research and Technology Development.
- Is developing commercial applications.
- Works frequently with international partners.

Tasks and Responsibilities

- Design and development of distributed satellite and in-situ data processing platforms to transform and fuse data to create downstream products.
- Applying Cloud-based distributed processing and Big Data methods and technologies.

Qualifications and Experience

- A Master's Degree in the relevant discipline:
 - Computer Sciences, Software Engineering, Physical Geometry, Remote Sensing.
- A minimum of 3 years experience in design and development of distributed systems (SOA, MSA).
- Sound experience with Python-based programming especially on Web applications and services.
- Experience with the software development lifecycle.
- Good knowledge of Linux systems as a user and administrator.
- Knowledge and/or experience with:
 - Cloud and IaaS-related techniques and tools (e.g. Apache Spark and Hadoop, Ansible Playbooks, Marathon/Mesos, OpenStack).
 - Satellite Earth Observation data processing systems, especially in the areas of specification, design and implementation of large satellite instrument-related data processing systems and/or subsystems.
 - Formats used in processing satellite data.
 - Scientific tools and languages (e.g., Matlab, R, GDAL, numpy).
 - Scheduling and parallelisation of scientific software.
 - OGC standards, ISO Geographic Information standards, GIS-related techniques and tools, and of additional programming languages such as C and Go, is an asset.

Candidates will have the following skills

- Ability to cope with schedules and deadlines.
- Ability to synthesise, summarise and draw conclusions.
- Very good organization and communication skills.
- Ability to work in distributed international teams.
- A proactive approach, with initiative and ability to work independently.
- Fluency in English (written and oral) and used to write high-quality software project documentation in English.

What Do We Offer?

- Working in a growing company, with offices located in Belgium, the Netherlands and the USA.
- A professional, pleasant atmosphere with motivated staff, where autonomy and initiatives are encouraged.
- An interesting remuneration package with a relocation allowance, if applicable.
- A full time employment position.

Preference will be given to candidates eligible to work in the European Union or in possession of a European Blue Card for two or more years.

We are looking for someone to start as soon as possible.

How To Apply?

- Click on the "Apply" link next to this position on our website: <http://careers.spaceapplications.com/>.
- Include your CV and Motivation Letter (both in English) and send to jobs@spaceapplications.com. For this position the contact person is **Mr. Bernard Valentin**.

Space Applications Services NV/SA

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