AIRBUS

Publish Date	30 May 2017
Division	Airbus (Commercial Aircraft)
Location	**Toulouse** FRA
Reference Code	10332931 AS EN EXT 1
Interest Group	Professional staff - engineer
Functional Area	Others
Contract Type	Permanent contract
Working Time	Full time
Work Experience	Entry level (less than 2 years of experience)

Simulation Frameworks Engineer (h/f)

Airbus Toulouse

Airbus is a leading aircraft manufacturer with the most modern and comprehensive family of airliners on the market, ranging in capacity from 100 to more than 500 seats. Airbus champions innovative technologies and offers some of the world's most fuel efficient and quiet aircraft. Airbus has sold over 13.800 aircraft to more than 360 customers worldwide. Airbus has achieved more than 8,000 deliveries since the first Airbus aircraft entered into service. Headquartered in Toulouse, France.

Airbus is a global leader in aeronautics, space and related services. In 2016, it generated revenues of € 67 billion and employed a workforce of around 134,000. Airbus offers the most comprehensive range of passenger airliners from 100 to more than 600 seats. Airbus is also a European leader providing tanker, combat, transport and mission aircraft, as well as Europe's number one space enterprise and the world's second largest space business. In helicopters, Airbus provides the most efficient civil and military rotorcraft solutions worldwide.

Our people work with passion and determination to make the world a more connected, safer and smarter place. Taking pride in our work, we draw on each other's expertise and experience to achieve excellence. Our diversity and teamwork culture propel us to accomplish the extraordinary - on the ground, in the sky and in space.

Description of the job

A great opportunity for Simulation Frameworks Engineer (h/f) has arisen within Airbus Toulouse.

Take control of the aircraft and of your career by joining the Modelling and Simulation team in Systems Engineering! We deliver real time simulation of the complete aircraft for design engineers, test engineers, suppliers and pilots. We bring our knowledge of the aircraft and strong, in-house technical expertise in software and hardware development to provide state-of-the-art simulation. Whether for troubleshooting the in-service aircraft, building the iron bird or
prototyping the cockpit of the future, we offer tailored solutions to all aircraft programmes. Join our dynamic, close-knit community, with links extending across the Airbus Group, to get a grip on the complete aircraft and to boost your skills and network for the future. Our team spirit, innovative mindset and virtual aircraft will ensure that you never experience a dull moment.

Tasks & accountabilities

In the role of a simulation frameworks engineer, you will be in charge of the development of the Simulation Runtime Environment (SRE) software and the Simulation Development Software (SDE). The SRE is a set of software components which is offering generic services (like scheduling,

communication, monitoring & control HMI) to aircraft systems models embedded in real time flight simulators (hardware in the loop simulators and desktop simulators). The SDE is a set of production tools dedicated to the generation of the simulation configurations loaded in our simulators.

In this context you will have to:
¤ Collect, communalise and refine user needs
¤ Specify, design, develop, integrate, validate, write documentation and deliver the SRE solutions
¤ Organize (planification, risks management...) and monitor (TCQP) the activities realized internally or externally by subcontractors.
¤ Deliver technical support to simulation products end users
¤ Make sure that quality rules and methods in force in simulation department are applied
¤ Be proactive and innovative for the development of the solutions with new technologies and methods (Agile method, Continuous integration and deployment...)

You will also have to contribute to the setup and the execution of the SRE/SDE technical roadmap and he will actively participate to a research project which aims at proposing and prototyping the next generation of SRE/SDE

Required skills

As the successful candidate you will be able to demonstrate some or all of the following skills and competencies:

¤ Degree in Information Technology (or equivalent)
¤ Software skills:
C++,C, Java, Eclipse RCP, QT
¤ Python, XML
¤ Databases
¤ Real Time Software (in a multi core, multi process, multi thread environment)
¤ Network stack
¤ Linux, Windows environments
¤ Software Factory (JIRA, SVN, GIT, CMAKE, MAVEN, JENKINS...)
English :Negotiation level
French :Negotiation level
Communication skills & Teamwork capabilities are a must.

Contact Data

If you are interested in this position, please send your application on-line with your CV in English (a CV in French will be accepted for non-management positions.)
By submitting your CV or application you are consenting to Airbus Group using and storing information about you for monitoring purposes relating to your application or future employment. This information will only be used by Airbus Group.

Airbus is committed to achieving workforce diversity and creating an inclusive working environment. We welcome all applications irrespective of social and cultural background, age, gender, disability, sexual orientation or religious belief.