

System Integration and Validation Engineer

Hiring organization

WGS Workgroup Solutions GmbH

Description

WGS Workgroup Solutions GmbH is looking for a skilled System Integration and Validation Engineer to join our Engineering Team for our customer, EUMETSAT. The service will primarily be provided on-site in Darmstadt, Germany, with some flexibility for weekly remote working or can be fully remote.

Date posted

July 18, 2024

Responsibilities

- **Engineering Activities for I&V:**
 - Prepare and contribute to technical documentation (VCDs, engineering and I&V plans, test specifications, test procedures).
 - Execution of Integration and Verification Activities: performing the corresponding integration and verification testing campaigns according to the agreed plans;
 - Contribution to Validation Activities: support the Customer in the validation of systems when performing the corresponding validation test campaigns
- **Integration and Verification:**
 - Execute integration and verification testing campaigns according to agreed plans.
 - Propose and define testing activities for requirement verification.
 - Observe and analyze I&V tests at segment and sub-segment levels
 - Write integration and verification test specifications and detailed test procedures
 - Identify and manage test tools and test data requirements and analyze problems and manage anomalies.
 - Refine test procedures and set up test tools
- **Validation Support:**
 - Assist in the validation of systems through validation test campaigns.
 - Coordinate and execute validation activities and testing with the Customer
 - Ensure readiness of procedures, tools, and data before tests.
 - Organize and conduct Test Readiness Reviews (TRR) and Test Review Board (TRB) meetings.
 - Document and analyze test results.
 - Maintain VCD and record test results in DOORS.
 - Support Anomaly Review Board (ARB) meetings and resolve technical issues

Qualifications

The Key Person shall have the following experience and background:

- Fluency in English.
- A university degree in a relevant technical discipline (i.e. Computer Science, Aerospace Engineering, System Engineer, Software Engineering, etc.) or the equivalent work experience,
- Proven ability in integration and verification (I&V) of complex systems or

relevant certifications (e.g., ISTQB).

- Requirements and verification management.
- Formal testing at component and system levels.
- Formal testing of software services.
- Creation and execution of test cases and documentation.
- Experience in benchmarking and stress testing.
- Structured software development and verification.
- Software maintenance and performance monitoring.
- Knowledge of ECSS standards.
- Experience in operational environments with strict change control.
- Configuration control proficiency.

Well Known Applications:

- Near real-time Earth observation data processing, archiving, distribution, and data access.
- Scripting languages in a Linux environment
- Programming languages: C/C++, Java, Javascript, XML, Perl, Tcl/Tk
- Operating systems: UNIX/Linux and Windows
- Proficiency in scripting languages in a UNIX/Linux environment;
- Relational databases: MySQL, Oracle, PostgreSQL
- Networking: Internet protocols, TCP/IP programming, network monitoring
- Automated Testing
- Requirements and verification management using DOORS
- Experience in using version control systems such as git or similar
- Experience in using virtualization and containers (i.e. Docker) tools for testing database migration

Contacts

Interested applicants should submit their CV and Cover Letter in **Word** (*.docx) or in **PDF** (*.pdf) format from the website or by emailing the WGS recruitment team at ***vacancies@workgroup-solutions.com*** before **30.07.2024**.