Software Systems Modeler

About Us

Crescent Systems, Inc. (CSI) is a leading aerospace technology firm that designs, develops, implements, tests, deploys, and sustains reliable and rugged electrical, software, and hardware systems solutions for complex problems in the aerospace industry. Our integrated solutions teams focus on delivering high-performance products and services to meet our clients' needs. Our core values of ethics, quality, and community guide every conversation, decision, and interaction.

Job Description

We are seeking an experienced software requirements engineer. This position will have a strong focus on creation and maintenance of software requirements and digital engineering. Requirements and digital engineering will cover system level and software for use on aerospace platforms.

The software requirements engineer will be responsible to work with the software team to develop and maintain a requirements database and SysML/UML models. Support is continuous from requirements definition through integration and test. Configuration management of requirements and models are required throughout the product life cycle.

The selected candidate will be subject to government security investigations and must meet eligibility requirements for access to classified information.

Note: This position is not for a lead system architect.

Essential Duties, Responsibilities, and Qualifications

- Bachelor's degree in systems engineering, Computer Science, Software Engineering, Computer Engineering, or related field or equivalent based on a background in requirement management with minimum of 5 years of experience of cradle to grave development, soliciting, reviewing, and maintaining a requirements database.

- Experience in combining the PWS and the software architecture into a well-documented set of system, sub-system, and software configuration items.

- Experience in SysML and UML modeling of software

- Experience in generating Verification Compliance Requirements Matrices, and Requirements Sell-off Documents

- Candidate must possess a strong knowledge of Microsoft Word, Excel and PowerPoint

- Candidate must be able to collaborate in a team environment, prioritize and adjust tasks to accomplish the project result, prioritize multiple responsibilities and/or accomplishing them simultaneously, and comprehend and analyze complex problems and develop solutions.

- Must be a U.S. citizen and a DoD Top Secret security clearance is required

Preferred Qualifications

- MS in Systems Engineering

- Working experience with JAMA or DOORS

- Experience in supporting the generation of Requirements Verification Plans, Test Plans, Test Requirements Documents, Test Procedures
- Experience in supporting the generation of Requirements Verification Plans, Test Plans, Test Requirements Documents, Test Procedures
- Experience in interface definition
- Current Secret or Top Secret Security Clearance

Why Work for Crescent Systems?

At Crescent Systems, Inc. (CSI), we have cultivated a company culture that revolves around community and collaboration. We believe in fostering a supportive and inclusive work environment where employees are encouraged to thrive both personally and professionally. We are an employee-owned company and provide free medical, dental, and LTD to each of our employees. As an organization, we value excellence in every aspect of our business, from our products and services to our relationships with customers and our staff. Meeting company goals and fulfilling commitments is not just a priority but a source of pride, ensuring exceptional customer satisfaction.

If you're seeking to be part of a company that upholds strong values of ethics, quality, and community, then join us at Crescent Systems, Inc. We are always looking for dedicated individuals who share our vision and are ready to contribute their skills and expertise to our dynamic team.

Apply now to explore exciting career opportunities at Crescent Systems!

Job Type: Full-time

Salary: From $115,000.00 per year

Experience level: 5 years

Schedule: 8-hour shift, Monday to Friday

Application Question(s):

- This job requires obtaining and maintaining a US security clearance. US citizenship is a requirement to obtain a clearance. Are you a US citizen?

Education: Bachelor's (Preferred)

Experience:

- JAMA or DOORS: 3 years (Preferred)
- Verification Compliance Matrices & Requirements Doc's: 3 years (Preferred)
- Test Requirements Documents, Test Procedures: 3 years (Preferred)
- Interface definition: 3 years (Preferred)
- Microsoft Word, Excel, and PowerPoint: 5 years (Preferred)
- Generating Verification Compliance Requirements Matrices: 3 years (Preferred)
- Generation of Requirements Verification/Test Plans: 3 years (Preferred)
- SysML and UML modeling of software: 5 years (Preferred)

Work Location: Hybrid remote in Richardson, TX