



Title: Senior Software Developer Position ID: 2026-0017	Type Position: Full Time Level: PL3 or PL4
Primary Location: Colorado Springs, CO / ON-SITE	Travel Required: 10% CONUS and HI
Alternate Location: N/A	Contact: Technical: taxberg@stephensonstellar.org (Tom Axberg) Human Resource: bmoyer@stephensonstellar.org (Barb Moyer)

Company Background: Stephenson Stellar Corporation (Stellar) is a nonprofit research and development organization focused on assuring our nation remains a global leader in the Space Domain. Our mission is to foster technological innovation and provide secure space-based solutions.

Stellar is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, age, disability status, protected veteran status, or any other characteristic protected by law.

Additional information at: www.stephensonstellar.org

Job Description: We are seeking a highly motivated Senior Software Developer to support mission-critical systems development for the Department of Defense (DoD). This role involves designing, developing, and maintaining secure, scalable software solutions in a fast-paced research and development (R&D) environment. The ideal candidate brings strong experience in modern programming languages, DevSecOps practices, and working within virtualized environments. Additional responsibilities include: (1) Design, develop, test, and maintain software systems supporting DoD mission objectives; (2) Experience with embedded systems, digital twins and other low-level system design principles; (3) Collaborate with cross-functional teams to define system architecture, interfaces, and data flows; (4) Develop and integrate APIs and services to support complex system interactions; (5) Participate in the full software development lifecycle (SDLC), including requirements analysis, design, implementation, testing, and deployment; (6) Implement and maintain DevSecOps pipelines to ensure secure and efficient code delivery; (7) Work within virtualized and containerized environments (e.g., VMs, Docker, Kubernetes); (7) Conduct research and prototyping of emerging technologies to support innovation initiatives; (8) Ensure compliance with security standards and best practices for government systems; (9) Utilize GitLab for source control, CI/CD pipelines, and collaborative development; and (10) Troubleshoot and resolve software defects, performance issues, and integration challenges.

Requirements

Clearance: Active U.S. Security Clearance with ability to obtain TS/SCI.

Citizenship: Candidate must be a United States citizen.

Education:

- BS degree in Computer Science, Engineering, or a related technical field.

Experience:

- Minimum of 4 years' experience, prefer 7 plus years of professional software development experience.

Required Skills:

- Proficiency in modern programming languages such as Python, Java, C++, or similar.
- Experience working in virtualized or cloud-based environments.
- Experience with container orchestration (e.g., Kubernetes).
- Hands-on experience with DevSecOps tools and methodologies.
- Strong understanding of data flow, system interfaces, and distributed systems architecture.
- Experience using GitLab or similar version control and CI/CD platforms.
- Familiarity with secure coding practices and cybersecurity principles.
- Ability to work in a team-oriented, agile development environment.

Desired Skills:

- Experience supporting Department of Defense or other federal government projects.
- Experience with common system on a chip (SoC) platform such as Arm, Xilinx, Versal, FPGAs or other platforms common in space systems.
- Knowledge of microservices architecture.
- Experience securing embedded systems and common software used, such as RTOS, PetaLinux or others.
- Familiarity with infrastructure as code (IaC) tools (e.g., Terraform, Ansible).
- Experience in research and development or innovation-driven environments.
- Strong problem-solving and analytical skills.

Key Competencies:

- Strong communication and collaboration skills.
- Ability to manage multiple priorities and adapt to changing requirements.
- Commitment to continuous learning and technical excellence.
- Attention to detail and focus on delivering high-quality, secure software.