



## Position Title: Software Developer, Entry-Level

Why choose between doing meaningful work and having a fulfilling life? At OAR, you can have both. That's because OAR is committed to tackling our nation's toughest challenges and to the long-term wellbeing of our employees. We offer exceptional benefits, professional development opportunities, and a culture of innovation that embraces diversity, inclusion, flexibility, collaboration, and career growth.

OAR is a leading global solution provider for real-time embedded software development and the original developer of RTEMS, a real-time deterministic operating system. Additionally, OAR serves as the primary steward for the RTEMS open-source software and community. Founded in 1978, OAR specializes in aviation, autonomous vehicles, and space systems development by providing real-time embedded software development, model-based systems engineering, and systems architecture expertise. OAR applies its expertise to solve the most challenging problems for the Army, Navy, Marines, NASA, ESA (European Space Agency), and many commercial domains, including telephony, broadcasting, scientific, healthcare, and consumer electronics industries.

## Position Description

OAR is seeking creative entry-level Software Developers to join our team working on projects ranging from the advancement of RTEMS to developing Live, Virtual, and Constructive (LVC) Modeling and Simulation (M&S) solutions. You will work independently and with team members in support of customer projects to rehost RTEMS to target embedded hardware, port existing embedded applications to RTEMS, and help develop native RTEMS applications. Additionally, there are opportunities to work on state-of-the-art LVC M&S intended to aid in the Development and Operational Tests of Space Force programs.

## Position Requirements

- Bachelor's Degree in Computer Science, Computer Engineering, Software Engineering, or equivalent from an accredited program
- Working knowledge of a Linux or Windows based software development environment
- Experience developing software in C and C++
- Ability to successfully perform on multiple projects concurrently when necessary
- Effective written communication skills for technical audiences
- Ability to obtain a security clearance

## Ideal Skills & Experience

- Experience with RTOS such as RTEMS, VxWorks, FreeRTOS, Integrity, or Nucleus
- Experience developing software in Python
- Experience using the GNU compiler toolchain
- Experience using software build systems such as GNU make, CMake, or similar tools
- Experience using Git, CVS, or other distributed source code version control system
- Experience using GitLab, Jenkins, Jira, or other software management systems
- Experience developing embedded software applications
- Experience in developing interfaces for modeling and simulation using HLA, DIS, or system's Interface Control Documents (ICDs)
- Experience in developing simulations using tools such as MatLab, Simulink, Modelica, or Unreal