Job highlights

Identified by Google from the original job post

Qualifications

* Required to learn and become proficient in a variety of software languages and tools
* BS Computer Science or equivalent experience required
* Ability to apply sound engineering principles and develop innovative solutions
* 20 more items(s)

Benefits

* Comprehensive and competitive benefits package and flexibility that promotes work-life balance
* Recognition, professional development, advancement and having fun!

Responsibilities

* As a Software Engineer you are part of the program team which strives to, not only meet, but exceed our customers’ expectations
* Software Engineers support computational systems architecture and system software for real-time simulation applications; create new and modified simulation models using established modeling techniques; and work closely with other engineering disciplines
* The Software Engineer works in the Training System Support Center (TSSC) in support of the B-2 Aircrew and Maintenance Trainers
* 13 more items(s)

More job highlights

Job description

Who We Are:  
  
CAE Vision: Our vision is to be the worldwide partner of choice in defense and security, civil aviation, and healthcare by revolutionizing our customers’ training and critical operations with digitally immersive solutions to elevate safety, efficiency and readiness.  
  
CAE Defense & Security Mission: CAE's Defense and Security business unit focuses on helping prepare military customers to develop and maintain the highest levels of mission readiness.  
  
CAE Values: Empowerment, Innovation, Excellence, Integrity and OneCAE make us who we are and we strive to make a difference in the world while helping each other succeed.  
  
What We Have to Offer:  
  
Comprehensive and competitive benefits package and flexibility that promotes work-life balance  
  
A work environment where all employees are valued, respected and safe  
  
Freedom to succeed by enabling team members to deliver, take initiatives and make decisions  
  
Recognition, professional development, advancement and having fun!  
  
Summary  
  
As a Software Engineer you are part of the program team which strives to, not only meet, but exceed our customers’ expectations. Software Engineers support computational systems architecture and system software for real-time simulation applications; create new and modified simulation models using established modeling techniques; and work closely with other engineering disciplines.  
  
Essential Duties and Responsibilities  
  
The Software Engineer works in the Training System Support Center (TSSC) in support of the B-2 Aircrew and Maintenance Trainers.  
  
Software Engineers analyze requirements and develop software to model and simulate B-2 aircraft (real-time applications), test systems, and integrate / debug / document software programs that meet the requirements.  
  
Analyze system capabilities to resolve problems on program intent, output requirements, input data acquisition, programming techniques and controls  
  
Design, develop, code, integrate and test simulation software to meet requirements  
  
The qualified candidate will be able to apply software engineering methods to develop or modify mathematical models and algorithms to simulate real-time systems.  
  
Required to learn and become proficient in a variety of software languages and tools.  
  
Develop solutions to complex problems that require ingenuity and innovation.  
  
Uses appropriate standards, processes, procedures, documentation, and support tools throughout the product lifecycle.  
  
Essential to be completely customer orientated, interfacing routinely to provide effective solutions and feedback on projects.  
  
Works with other engineers as a team to ensure corrections are completed in a timely fashion; but may be required to work independently with minimal direction to provide solutions.  
  
Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.  
  
Qualifications and Education Requirement  
  
BS Computer Science or equivalent experience required  
  
Ability to apply sound engineering principles and develop innovative solutions  
  
Experience implementing functional requirements for computer software  
  
Software Languages – FORTRAN, C/C++, Ada, C#, Java  
  
Excellent communication skills including oral, written, interpersonal, and listening  
  
Proven success in a fast-paced development environment and possess a willingness to take ownership, accept accountability, and thrive under pressure  
  
Strong problem solving, troubleshooting and analytical skills  
  
Ability to obtain a Top-Secret DoD security clearance  
  
Flexibility to support occasional overtime, weekend work, shift work and in-plant travel (CONUS)  
  
General computer skills including use of Microsoft Office products  
  
GPA of 3.0 or greater  
  
Due to U.S. Government contract requirements, only U.S. citizens are eligible for this role.  
  
Preferred Skills  
  
MS Windows, Linux, Unix, OO Design, Modo, Qt, DDS experience  
  
ClearCase experience  
  
Familiarity with aircraft avionics 1553 protocol and simulator experience  
  
Knowledge of different testing methodologies (e.g., White/Gray/Black box testing)  
  
Military Experience  
  
1-2 years Software Engineering experience  
  
Experience with Flight Simulation and/or Radar Systems  
  
Active DoD Secret Clearance within a five-year investigation period  
  
Security Responsibilities  
  
Must comply with all company security and data protection / usage policies and procedures.  Personally responsible for proper marking and handling of all information and materials, in any form. Shall not divulge any information, or afford access, to other employees not having a need-to-know. Shall not divulge information outside company without management approval.  All government and proprietary information will be accessed and stored electronically on company provided resources.  
  
Incumbent must be eligible for DoD Personal Security Clearance.  
  
Security clearances may only be granted to U.S. citizens. In addition, applicants who accept a conditional offer of employment may be subject to government security investigation(s) and must meet eligibility requirements for access to classified information.  
  
Due to U.S. Government contract requirements, only U.S. citizens are eligible for this role.  
  
Work Environment  
  
This job operates in a professional office environment. This role routinely uses standard office equipment such as computers, phones, photocopiers, filing cabinets and fax machines.  
  
Physical Demands  
  
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.  
  
Ability to climb stairs  
  
Other Duties  
  
Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for their job. Duties, responsibilities, and activities may change at any time with or without notice.  
  
CAE USA Inc. is an EOE/AA employer and gives consideration for employment to all qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. If you’d like more information about your EEO rights as an applicant under the law, please click here EEO is the Law poster.  
  
PAY TRANSPARENCY NONDISCRIMINATION PROVISION The contractor will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. However, employees who have access to the compensation information of other employees or applicants as a part of their essential job functions cannot disclose the pay of other employees or applicants to individuals who do not otherwise have access to compensation information, unless the disclosure is (a) in response to a formal complaint or charge, (b) in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or (c) consistent with the contractor’s legal duty to furnish information.