



# Software Applications Engineer

## Job Description

The **Software Applications Engineer** will work as a team member to design and develop software applications that enable our customers, primarily in the aerospace and defense industry, to make design decisions that help optimize their strategy to maintain, support and sustain long-term assets over their useful lives of the assets. Our software products also deliver data to support the production of maintenance plans, technical publications and other vital services related to long-term support of an asset.

## Essential Functions

- Review, analyze, and translate customer engineering requirements into initial design of an engineering software product or enhancements to existing products.
- Prepare workflow charts and diagrams to specify, in detail, operations to be performed by computer programs and associate processes.
- Visualize the end product and communicate the requirements and design, through specifications, to Software Applications Developers who will implement the design.
- Test the software product through product implementation and installation on a variety of different computer systems (e.g., Windows platform) to ensure it satisfies the requirements.
- Prepare source materials for user documentation and training.
- Assist Customer Support Representatives in problem solving, interpreting requirements, and educating users on the use of products. Engineers are not primarily responsible for customer support but serve as resources on specific customer issues.
- Engineers may also have the opportunity to do software product training, on-site consultation, and software demonstrations.
- Develop expertise in engineering data standards and data modeling.

## Competencies

- Advanced problem-solving capabilities
- Cooperative attitude
- Effective written and verbal communication skills
- Exceptional organizational and time management skills
- Ability to handle multiple projects effectively

## Required Education and Experience

- Bachelor of Science in Computer, Industrial or Mechanical Engineering

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### Preferred Qualifications

- Cumulative undergraduate GPA greater than or equal to 3.5
- Demonstrated knowledge/coursework/experience working on a software development project
- Confidence working in Microsoft Windows® operating systems