



Job Title:	<i>Software Engineer / Application Developer</i>	Job Category:	<i>Software</i>
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Company profile

ADACS, INC.

ADACS, Inc. stands for **Advanced Durability Assessment and Consulting Services** is a small startup company based in Dearborn Heights, Michigan USA. The company has a local office in Beirut, Lebanon. The company currently focuses on the development of the state-of-the-art fatigue software tools and methodologies for the endurance assessment of engineering components, systems, and structures. An emphasis is placed on research and development in the area of Thermo-Mechanical Fatigue (TMF). In addition, the company provides on-site and off-site consulting and analysis services to design and manufacturing customers. The strategic vision of ADACS is to provide the most advanced and comprehensive TMF solutions and to become the preferred solution provider in this area through alliance partnerships with software vendors, testing labs, and leading research organizations. Current and past customers include: General Motors, Chrysler, Cummins, Honeywell, John Deere, and Dassault Systemes.

Additional information can be found at www.adacs-eng.com. Please feel free to contact us at rhazime@adacs-eng.com for further inquiries.

Job Description

ROLE AND RESPONSIBILITIES

- Software UI development: Development of new features and expanding the capabilities of the current UI using the currently developed framework using Qt and Python
- Development and maintenance to third-party APIs: Development of interfaces to Abaqus and Ansys APIs
- Software maintenance and testing: Bug fixes and minor enhancements of current UI and rigorous testing using a well-developed testing plan that includes automation of testing scripts and comparison of results with previous benchmarks
- Flexnet licensing development, maintenance, and deployment: Creation of installation files for license servers for both windows and Linux OS, using both node-locked and floating licensing schemes. Creating simple wizards for generating and checking license keys.
- Software support through email and WebEx, as needed, to investigate any software installation or operation issues.
- Adding new capabilities to our TMF tools

QUALIFICATIONS AND EDUCATION REQUIREMENTS

Bachelor or Masters Degree in software or mechanical engineering related field

PREFERRED SKILLS

C++, Qt, Python, FlexLM licensing, Fortran90 (is a plus but not mandatory), building setup and installation files for Windows and Linux systems

EMPLOYMENT

The job offered is a full-time employment with flexible working hours

LOCATION

Local office in Sfax, Tunisia