

Lead Software Developer

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Company: Altair Engineering

Location: Spain

Category: computer-and-mathematical

Transforming the Future with the Convergence of Simulation and Data

About Altair (Nasdaq: ALTR)

Altair is a global technology company that provides software and cloud solutions in the areas of Product Development, High Performance computing (HPC) and data intelligence. Altair enables organizations across broad industry segments to compete more effectively in a connected world while creating a more sustainable future. To learn more, please visit www.altair.com.

Altair is currently looking for:

Lead Software Developer

Do you like challenge, are you a complex thinker who likes to solve problems? If so, then you might be the new Altairian we are searching for. At Altair, your curiosity matters.

We pride ourselves on a business culture that enables open, creative thinking, and we deeply value our employees and their contributions towards our clients' success, as well as our own.

Job Summary

To reinforce our development team, Altair is looking for talented developer, specialist of Finite Element Method (FEM), with proven experience developing commercial software. You'll bring your expertise and leadership to accelerate the development of our leading structural solvers, OptiStruct, Radioss and its open-source version, OpenRadioss. Ideally, your experience is focused on the development of an explicit analysis solution, and you are expert of contact mechanics and/or element formulations.

You will have the chance to join a multicultural team of international developers & experts, with real career evolution opportunities.

What You Will Do

- Actively contribute to software developments, taking leadership on explicit dynamics developments, bringing enhancements and innovations to our FEA solutions
- Collaborate with all stakeholders to shape overall code architecture
- Participate to software maintenance and documentation

What You Will Need

Basics

- PhD or Master degree in computational solid mechanics
- 5 to 10 years of experience developing in a commercial FEA software
- Leadership skills creating a positive, innovative, and productive collaborative team
- Programming skills: Fortran90; C++; Python appreciated
- Fluent in English ; French appreciated

Preferred

- Expert of FEM, with deep knowledge of contact mechanics and/or element formulation and/or fracture dynamics, under explicit time integration scheme
- Discrete methods (SPH, DEM, Element-Free Galerkin, ...) experience appreciated
- Fluid Structure Interaction, Arbitrary Lagrangian Eulerian (ALE) experience appreciated
- Some knowledge on code parallelization: MPI, OpenMP, GPU
- Program management tools: Git, JIRA & Agile method

How You Will Be Successful

- Envision the Future
- Communicate Honestly and Broadly
- Seek Technology and Business "Firsts"
- Embrace Diversity and Take Risks

What We Offer

- Competitive Salary
- Comprehensive Benefit Package
- Outstanding Work/Life Balance
- Flex Time
- Position open worldwide

For more information about Altair and OpenRadioss:

·<https://altair.com/hyperworks>

<https://www.openradioss.org>

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