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File I/O Architect

Job Title:

File I/O Architect

Location:

Austin, Texas - Seattle, Washington - Lebanon, New Hampshire - State College, Pennsylvania, USA - London, UK - Bangalore, IN - Pune, IN

Reference Code:

KF-FA-123

Position Description:

CD-adapco is seeking software development professionals with C++ experience in the development of core architecture and API components to contribute to our flagship multi-physics software, STAR-CCM+. As a member of an experienced team, your responsibility will be to ensure efficient operation and good scaling of both new and existing code on parallel platforms.

The ideal candidate will have a Master's degree in computer science, math or engineering, although exceptional BS candidates will also be considered. Experience in the following areas is desired:

- asynchronous file I/O, self-tuning storage optimizations
- multi-thread, process, client file access techniques
- parallel I/O using MPI-I/O
- HDF5, CGNS and MatLab file formats
- storing large finite volume meshes
- server side data reduction
- large transfers of binary data
- commercial development of large scale object oriented software
- development and maintenance of core architecture and API components
- scientific computing
- expert in C++ and object oriented development

In our search, we will give preferential consideration to those candidates with experience in any of the following areas:

- parallel file systems eg Lustre and PVFS2
- HPC systems, commodity Linux, Cray and others
- engineering simulation software
- expertise in writing cohesive, well-structured code
- an understanding of computer architecture/hardware (particularly parallel)
- ability to work both independently and as part of a distributed team

All qualified applications should be made by e-mailing a CV/resume to hr-us@cd-adapco.com
[1] Please reference **?File I/O Architect KF-FA-128 multiple locations, USA?** in the subject line

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If you are an individual with a disability and would like to contact us regarding the accessibility of our site, need assistance completing the application process or would like to request a reasonable accommodation, please contact the Human Resources Manager at hr-us@cd-adapco.com [1] .

About CD-adapco

CD-adapco is the world's largest independent CFD focused provider of engineering simulation software, support and services. We have over 30 years of experience in delivering industrial strength engineering simulation. The scope of our activities extends well beyond software development to encompass a wide range of CAE engineering services in both CFD and FEA.

We have over 7,000 users of our software, working at 3,000 different companies, spending over \$100 million on our software and services. Our customer approval ratings are very high; in our last customer survey 93% of our customers declared themselves satisfied, or very satisfied with our software and services, a fact reflected in a consistently high customer retention rate.

Consistently growing at an organic rate of over 17% per year, CD-adapco employs over 700 talented individuals, working at 21 offices around the globe, involved in dedicated support, software development and engineering services.

CD-adapco is the world's largest independent CFD focused provider of engineering simulation software, support and services. We have over 30 years of experience in delivering industrial strength engineering simulation.

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Links:

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