

Junior/Senior Software Engineer (SE2018)

We are seeking a talented, experienced Junior/Senior Software Engineer to help lead & guide the development and commercial exploitation of our innovative software.

BOXERmesh is an unstructured mesh generator delivering quality meshes of arbitrary complexity and size. Its scalable, design and robust CAD import allow users to transform their CAE simulation capability and productivity.

We are seeking a junior/senior talented software developer to work at the very heart of BOXER's parallel architecture, as we continue to exploit emerging commercial opportunities for BOXERmesh.

Typical Activities:

- Working with BOXER's core libraries to develop new mesh generation capabilities and new functions such as geometry editing
- Augmenting existing components such as highly layered near-wall meshing
- Interacting with other team members to create novel algorithms and implementations on a diverse range of problems from mesh anisotropy to implicit geometry field operations
- Design and document new classes and interfaces and to work with others in the team to implement those designs

Minimum Requirements:

- Excellent C++ programming skills including templates and object-oriented design
- Experience and/or knowledge of developing professional, commercial software
- Some mesh generation knowledge or experience
- Some experience in team-based software development projects and of project management

Technical Skills:

- Familiarity with CFD, FEA or other simulation practices
- Experience with working with large C++ graphics, GUI or numerical libraries such as Qt or Boost
- Knowledge of FORTRAN, Python & Java
- Parallel programming, e.g. MPI, Open MP, plus HPC and other distributed hardware environments
- Primarily, Linux development plus familiarity with Windows
- Linux system admin experience would be useful also

About Cambridge Flow Solutions:

Cambridge Flow Solutions actively develops and markets advanced engineering simulation software and services. We focus on providing practical, powerful and effective solutions that deliver unprecedented capability to real-world applications, irrespective of complexity and size. Our software play central roles in mission-critical simulation processes and our reputation is founded on 30 years of combined experience in the industry. The vision of CFS is an end-to-end parallel, scalable environment to support the simulation systems of the future - coupling geometry editing, mesh generation, conjugate CFD/FEA & postprocessing.

With offices in the UK and Japan, and soon to open an office in the US, we are continually looking for exceptional talent, particularly in the areas of Computing, CFD/CAE applications engineering, consulting, sales and support. We offer stimulating work in a young and dynamic company with exciting prospects.



Salary :

Junior: £30,000 - £45,000 p.a. negotiable depending on experience

Senior: £45,000 - £60,000 p.a. negotiable depending on experience

Cambridge Flow Solutions Ltd is committed to equality of opportunity.

Closing Date: Open

Successful candidates will be asked to come for interview at a mutually convenient time.

Please forward all applications to careers@cambridgeflowsolutions.com