

## **New Vacancy: CAE Software Developer (CAESD2023)**

**Are you** a talented software developer willing to work at the very heart of a company developing engineering tools including for meshing and geometry computation, as we continue to identify and exploit emerging commercial opportunities for BOXERgeom.

### **We are looking for someone with:**

Excellent C/C++ programming skills with proven software development experience in any of the relevant domains like CAD, CFD or FEA.

### **Job Responsibilities:**

- As a Software Developer, you will help the team in accelerating product development and will take complete ownership of the assigned tasks
- You will be required to carry out various development tasks including new development, improvements, and bug fixes
- You will be required to work across meshing and geometry development as per the company needs
- You will be responsible for maintaining the coding standards, software quality and software configuration
- You will be required to create unit tests, test plans, update the automated test system and closely work with other teams towards a common goal of delivering high quality software

### **Minimum Education /Experience:**

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#### Compulsory

- Bachelor's degree or higher in engineering, computer science, mathematics, or related field
- Professional experience in C/C++ programming - we are looking for someone with at least 3 years of working in this field but would love to have applicants with significantly more experience than that
- Knowledge of 2D/3D Geometry concepts and Mesh Development
- Primarily, Linux development and familiarity with Windows

#### Desirable Qualifications / Skills

- Experience in developing large scale graphics/GUI applications
- Knowledge of Parallel Programming using MPI or OpenMP
- Familiar with Testing methods and systems
- Good communication and documentation skills

#### Personal Qualities/Skills

- Team work and collaboration, but also independent working
- Problem solving and attention to detail
- Adaptable and able to use initiative

**About Cambridge Flow Solutions:**

We at CFS are committed to building engineering software tools and products that are effective, easy to adopt and make a significant impact on industry. Our products like BOXERmesh, BOXERgeom & BOXERsolve have enabled our employees to approach each project with high importance for scalability, robustness, configurability, and modular design. Over the last decade, CFS has built a strong relationship with its customers. We offer solutions across a range of industries based on our core research vehicles:

- **BOXERmesh, a robust scalable fully parallel mesh generator**
- **BOXERgeom, a voxel-based Digital Geometry™ modelling kernel which supports MRO, AI/ML**
- **BOXERsolve, a highly customisable ale RANS/LES/thermal solver**

**What do we offer:**

- Competitive pay depending on experience and an additional annual bonus
- Opportunity to work in a specialist but significant domain – our zero carbon future will be designed and delivered using simulation
- Professional work environment
- Work with a dynamic and inclusive team
- Immigration support for international applicants

**Job Location:** Cambridge, UK

**Job Type:** Permanent

With offices on the world-renowned Cambridge Science Park, UK and in Japan, 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 £50,000 to £60,000 per annum depending on experience.**

**Please email with a stated salary expectation and the job reference, CAESD2023 when applying. Only applications with this salary information will be considered.** Please forward all applications (enclosing a CV and cover letter) to [careers@cambridgeflowsolutions.com](mailto:careers@cambridgeflowsolutions.com)

Closing date: 28<sup>th</sup> April 2023

There will be a two stage interview process with an initial telephone interview and then successful candidates will be asked to attend an interview online or in person.

Cambridge Flow Solutions is an equal opportunities employer and we welcome applications from all suitably qualified persons.