

# Software Engineer C++

Full Time | Bengaluru, INDIA



## We are hiring!

### Responsibilities:

- Design, develop, and improve surface and volume meshing algorithms for our in-house geometry kernel
- Implement new features and refactor existing codes in C++
- Work as a team through peer-based design and code reviews
- Write clean, readable, and reusable code that doesn't compromise efficiency for generics

### Mandatory Qualifications:

- Bachelor, Master, or Ph.D. Degree in Computer Science / other relevant engineering disciplines with proven practical experience in geometry process and mesh generation
- The kernel is written entirely in C++. Hence practical experience in C++ programming is immensely welcome. However, knowledge of high-level languages is welcome too, as long as you possess the relevant analytical skills
- Knowledge of common data structures like Octrees and other common mesh data structures like Half Edge / Matrix-based mesh representations
- Knowledge of parallel processing libraries such as OpenMP, Intel TBB, or std::threads is welcome
- Knowledge of a scripting language such as Python would be welcome
- Knowledge of Git and CMake is welcome (We can teach you if you do not know)
- The ability to read scientific papers and adapt / re-implement them for industrial use would be an extremely valuable skill



Please send your resume along with relevant documents, references, etc. to:  
[recruiting-india@essteyr.com](mailto:recruiting-india@essteyr.com)



### What we offer

ESS is a great platform to bring innovative ideas and to grow from constructive feedback. We live and breathe a flexible and engaging working atmosphere and provide you a rapid learning curve through new challenges.

- Exciting and high-quality technical research
- Open communication across all teams
- Potential re-alignment of skills to abilities, if needed

**Join the team!**

[recruiting-india@essteyr.com](mailto:recruiting-india@essteyr.com)