

C++ Software Engineer

Optibrium is a growing technology company dedicated to providing software to guide decisions involving complex, uncertain data in an intuitive way. Our primary product, StarDrop, is focused on the pharmaceutical industry, helping scientists to guide decisions in the design and selection of potential drug molecules.

As part of our exciting plans for future product enhancement and growth we are looking to recruit two C++ software engineers to work on client- and server-side code development of Optibrium's cheminformatics and computational chemistry software product range.

Main Responsibilities

- Work closely with users and product owners to capture and shape software requirements
- Identify software architectures, class and library designs that have an appropriate clarity, power and flexibility
- Write clean, maintainable code with a commitment to testing
- Help extend, maintain and refactor existing code bases as well as writing new code for new projects
- Develop user-centric GUI designs with a good balance of power and usability

Experience and Skills

The ideal candidate will have the following experience and skills

- 2+ years' experience developing software in a commercial and/or open source environment
- Good knowledge of C++, including new C++ standards
- GUI design experience. Our desktop applications are built with Qt
- Solid understanding of object-oriented principles
- Good understanding of software development processes
- A good degree or equivalent in Computer Science or scientific discipline

Beneficial

- Proficiency in Python
- Cross platform development on Windows, Mac and Linux
- Experience with source code control such as git or svn
- Experience with automated builds environment such as Jenkins
- Experience with database technologies
- Experience or interest in machine learning and AI techniques

Personal

- You are innovative, self-motivated, dependable and enjoy problem solving
- You possess effective communication skills and a 'can do' attitude
- Enjoy sharing technical knowhow and are happy to adopt a mentoring role where appropriate.

If you're interested in joining a growing, entrepreneurial team working in an exciting field, please apply with a CV and covering letter to vacancies@optibrium.com (unsolicited applications from agencies will not be accepted).

Background

Optibrium provides elegant software solutions for small molecule design, optimisation and data analysis. The company's lead product, StarDrop, is a comprehensive suite of integrated software with a highly visual and user-friendly interface. StarDrop enables a seamless flow from the latest data through to predictive modelling and decision-making regarding the next round of synthesis and research, improving the speed, efficiency, and productivity of the discovery process.

Founded in 2009, Optibrium is headquartered in Cambridge, UK with offices in Boston, US. Optibrium continues to develop new products and research novel technologies to improve the efficiency and productivity of the drug discovery process. Optibrium works closely with its broad range of customers and collaborators that include leading global pharma, agrochemical and flavouring companies, biotech and academic groups.