

(Senior) C++ Developer

Cruden develops human-in-the-loop simulators for training and R&D purposes. Our products enable Formula 1 teams to design faster cars and coastguards to train effectively for saving people from the next big storm. Our simulators are key tools in the development process of future cars and are used for scientific research into safe and comfortable autonomous transport. Cruden is a rapidly growing SME with a family feel and ample opportunities for professional growth.

We are looking for a highly motivated (senior) C++ developer to join our Software Development team. You know about all the features and perks of C++, you enjoy finding the nice solution instead of the dirty hack, you see refactoring code as an opportunity to make it even better, you enjoy educating colleagues with your knowledge, you take pride in testing every single line of code, and your commit messages are as easy to read as a good novel. In other words, you like to do things the right way and enjoy motivating others to do the same.

The Software Development team consists of software engineers with a wide variety of competences, such as low-level C++ and C# programming, embedded systems, real-time simulation, render engine development, complex mathematics for surface interaction, automated testing, artistic content creation, visual projection systems and many more. We create a lot of new features but also add value integrating third party software and hardware.

About you:

- you have a higher education degree in informatics, engineering or mathematics.
- you have (extensive) experience programming in modern C++.
- you enjoy staying up to date with the latest developments in C++.
- you are a big proponent of Test Driven Development.
- you have experience with real-time simulation software.
- you are familiar with continuous integration tools such as GitLab.
- you wish to work fulltime.
- you are able to share coding examples with us as part of the application process.
- you're fluent in English or Dutch.

Nice to have:

- experience with developing for multiple targets (Windows, Linux, ...).
- knowledge about communication protocols like UDP/TCP/MQTT/CAN.
- knowledge about IPG Carmaker, Carsim, Siemens Prescan, ASM.
- knowledge about traffic engines like VTD, Sumo, ASM Traffic.

About us - we'll offer you:

- A representative salary, 25 holidays and a pension plan.
- Flexibility in working hours and location.
- A highly motivated and competent team that can't wait for you to join them.
- The opportunity to improve one of the most eye-catching parts of our simulators.
- An open-minded company with a family feel and a flexible attitude.

Do you live in the Netherlands and can you commute to Amsterdam on a daily base? Do you have what it takes to develop a rendering pipeline used by the most demanding people in the business, such as Formula 1 drivers and navy seals? Then we'd love to hear from you! Even if you don't tick all the boxes.

Please send your application (including motivation and resume) to jobs@cruden.com

We don't appreciate acquisition in regard to this vacancy.