Senior Software Developer

Crowley Carbon is an energy efficiency company that runs engineering projects for our manufacturing plant and commercial building customers, saving them money on their energy bills and reducing their carbon footprint in the process.

Underpinning all of our project work is our IoT platform called C Cubed (Carbon Control Centre), that monitors the efficiency of our customer sites, confirms savings are still in place, and helps identify further savings. It is this C Cubed team that we are hiring software developers for now.

The Role

The team's work is spread between:

- project work - implementing C Cubed installations for new customers, and maintaining them for existing ones, plus working on tools to make the project delivery processes run better
- product work - new features and improvements to the existing suite of C Cubed desktop, mobile and backend applications
- support work - proactive and reactive support of customer C Cubed sites
- R&D - we are launching a new discovery team early in 2018, to explore and commercialise opportunities in Advanced Analytics, AI, Machine Learning, and yes... Blockchain, as they apply to the field of energy efficiency

Project work involves working with project managers and customers to fully understand their requirements, design C Cubed solutions, implement them, then handover to our support team at the end.

Product work covers all stages of the software feature development lifecycle, from conceptualisation with the product owner, company engineers and customers, to development, deployment and maintenance post go-live.

We are hiring a number of senior developers with a broad range of skills and experience described under 'desirable skills' below. There will be training-up time to begin with - then you will be expected to become a productive member of the team quickly (so please, no junior or inexperienced people to apply).

To begin with, each person will work on a mixture of project and product work to learn about our business, technology stack and customers, with opportunities to specialise coming after that.

Desirable Skills

Software

- Strong experience in Python, Javascript or any other functional language is a must
- Front end web dev skills are most welcome for work on the product side, we use a variety of tools and skills including HTML, CSS, AngularJS, Google Charts etc
- Any previous work with manipulating and analysing time series data will be invaluable
- Experience and skills in training and mentoring junior developers would be a big plus

Networking and systems integration

Every customer site presents fresh challenges in getting their data offsite and back to our cloud-based system. We integrate with manufacturing systems dating back to the 1970's, modern building management systems, and everything in between. Experience integrating with PLCs and SCADA systems, electronic and mechanical meters, and building management and energy management systems is all invaluable, as is comms troubleshooting around corporate LANs, WANs and mobile comms networks.

Data Munging/ETL

In the same way as each customer site presents unique challenges in getting data back to our cloud-based system, each site tends to present that data to us in it's own unique format too. We receive data from APIs, FTP servers, by automated and manually send emails in a variety of stand and non-standard formats, all of which has to be gathered and massaged into a usable form for C Cubed.

Location

We are based in [Powercourt House](#) near Enniskerry, in north Co. Wicklow. And yes, we have quite possibly the coolest office space in the world. Check it out:

Cool Planet Experience

Opening in early 2018, the Cool Planet Experience will introduce Ireland's first interactive climate change experience! The foundation's work is supported by the staff and the profits of Crowley Carbon, and many other enthusiastic corporate sponsors. Find out more [here](#).

As well as working on your core role at the company, you will have a chance to contribute to this and other social and environmental responsibility projects happening at Crowley Carbon from time to time.

To apply for this role please send your cv to careers@crowleycarbon.com