# geo
smarter energy

# Experienced Firmware Engineers

## About us

**geo** is creating a sustainable future where homes automatically and seamlessly manage their overall consumption and carbon footprint. In addition to providing management and optimisation systems and data analysis for solar, EVs, batteries and home heating, the company is a leading supplier of in-home displays to the UK Smart Metering programme.

We aim to help consumers save money on their energy bills and do our bit to help reduce $CO_2$ impact on a mass scale through our reach of products which are already in over 6 million homes in the UK today.

We have a stunning, spacious office on the outskirts of Cambridge.  With a flexible approach to working, we offer hybrid working as standard and remote working for those who would prefer to work primarily from home.

## The opportunity

We are looking for exceptional Firmware Engineers to join our growing team. You'll be working on the latest technology developments in the world of smart home automation & IoT combined with energy management.

## About you

- You'll strive to efficiently develop great products, with a "right first time" approach and on time delivery.
- A self-starter, you'll  learn quickly and read up on specifications to understand some of the new technologies we are developing with. Some of the new tech is so bleeding edge that there isn't a training course we can send you on, so you will need to be comfortable with being a trail blazer and leading the way!
- You'll be committed to designing your work up front so that the coding and unit test phase go without a hitch and proactively work with colleagues to make sure that peer reviews happen.
- Building a great working and collaborative environment with their peers in the hardware, firmware, cloud. apps, test and customer facing teams.
- We use scrum as a software development practise, so we're looking for people comfortable working with tools like Jira. The exceptional candidates will know how to estimate their work and that of the teams, and who see the

big picture and can guide others to understand the likely technical challenges and pitfalls along the way.

## Requirements
Essential skills:

- Experience of making mass market products in a commercial setting
- Development of production grade C & C++ firmware
- Some practical use of Python (either work or hobby development)
- A good understanding of IP Networking
- 1st or 2:1 degree (or equivalent) in Electronics or Computing subject or demonstrably excellent technical skills and knowledge
- Linux as a development environment
- Excellent communication and team working skills
- Previous experience using Git

Desirable skills (5 or more from the list below):

- Radio protocol stacks (Zigbee, Thread, 802.15.4, WiFi, BLE)
- Wireshark dissectors for debugging protocol issues
- Networking protocols: IPv4, IPv6, DHCP, DNS, mDNS, NTP
- Encryption and SSL libraries (e.g. mbedTLS, openSSL)

## What we can offer you

We offer the chance to work with talented and passionate people who genuinely care about each other and respect everyone's role across team and ability. We push for a transparent, supportive environment where you can be comfortable to bring your authentic self to work every day.

Well-being is a big focus and we are continually evolving how we can support our people. We encourage a healthy work/life balance and host a range of well-being activities and initiatives to support both mental and physical health.

We offer a competitive salary and benefits package, which includes a profit share scheme, 8% contributory pension, 25 days' holiday plus holiday purchase scheme, life assurance, private healthcare, flexible working hours, enhanced maternity/paternity package, paid volunteer leave, support with relocation, a Cycle to Work scheme and social events.

## Applications
To apply for this position please email your CV and Cover Letter together with your salary expectations to our People Team at recruitment@geotogether.com