

# Senior Embedded Linux Software Engineer

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## Our Business

geo's software technologies range from ultra-low power IoT to big data cloud services. We are a small and agile development team and our engineers work on a wide range of projects, typically following a product from early concept to production either as an individual or as part of a scrum team.

geo is looking for talented and experienced Embedded Linux SW developers to join us as we build the next generation Hybrid Home energy control systems. These IoT and Cloud-connected systems include Solar PV, Heating control, Battery Storage and integration with EV charging solutions. They are built to enable self-learning prediction algorithms to reduce home energy consumption, minimise grid usage and reduce costs by taking advantage of daily tariff changes.

geo combines the engineering opportunities of a start-up with the stability of growing revenue from high volume production. It's a great place to work, to grow your career and to develop products shipping into millions of people's homes.

## Job Function

- Be responsible for developing quality, robust and scalable embedded products
- System Architecture for core components (including documentation)
- Bug fixing and support of products as required
- Working with Hardware and Data Science teams to implement features as required
- Writing unit tests and supporting Test teams as required
- Supporting Cloud development teams as required

## Essential Skills

- Minimum of 5 years' Embedded Linux experience
- Build system (e.g. Yocto) for producing filesystem images
- Minimum of 5 years' C/C++ development experience
- BASH and other scripting languages
- MQTT experience
- Uboot
- NAND Flash filesystems
- USB Device drivers
- Linux Device drivers
- Good understanding of IP Protocols (TCP/IP, UDP, DHCP, NTP, HTTP etc)
- SSL / TLS / Security / CA architecture / Secure boot experience
- Minimum of 2 years' Python
- Jenkins
- Ability to interpret hardware schematics, data sheets and basic electronics

## Desirable Skills

- Agile Software development
- Database (e.g. MySQL, MongoDB etc)
- Web development
- iOS / Android development
- Docker
- Developing for AWS

## Who are geo?

Based in Cambridge (UK) Green Energy Options (**geo**) specialise in the design, manufacture and support of energy management display and information systems for domestic markets across Europe. Our focus is helping consumers understand and manage their domestic energy (and water) consumption. As such we design, manufacture and support consumer products. Established in 2006 **geo** is now one of the leading home energy management system companies in the world having sold over 4 million systems. This year we won a Queens Award for Enterprise: Innovation and are listed in the Sunday Times Tech Track 100 fastest growing UK tech Companies for a second year running. With major contracts to supply the UK smart metering programme, multiple connected home contracts and a growing distribution channel the company is continuing to experience substantial growth.

## Applications

To apply for this position please send a letter outlining why you are interested, what you can bring to this role, your availability and current remuneration together with a copy of your CV to Romaine York at the above address or by email to [recruitment@geotogether.com](mailto:recruitment@geotogether.com)

