

Job Description – Senior C++ Application Developer

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Reports to

Director of Device Development

Location

Newbury

The Role

PassivSystems is one of the UK's leading cleantech companies, based in Newbury, focused on delivering innovative software solutions within the heating and renewable energy sector.

We are looking for an exceptional developer with experience in developing applications to join our small team of developers. The role is to develop the next generation of smart home applications running on our home hub. The applications will lead the market in home energy management. They will be based on internal research, active involvement with government funded projects and joint University projects.

Key Responsibilities

- Coding of core elements of the smart home applications
- Using test driven development to ensure high quality of deliverables
- Working with other members of the software team to ensure an end to end working system
- Liaise with internal control algorithm research team to deploy energy saving algorithms

Candidate Profile

The right candidate will be highly ambitious for success and will have a proven track record in the delivery high quality embedded software.

Essential Skills and Experience

- Experience of full design cycle to product quality software
- Fluent in C and C++ (ideally including C++ 11)
- Follows sound engineering principles
- Fast learner and active problem solver
- Has worked in small highly effective teams to successfully over-deliver on expectations
- Has a passion for quality and has successfully fostered a quality engineering attitude
- Good academic qualifications with a numerate degree

- Over 3 years industrial experience

Desirable Skills and Experience

- Has experience in developing on Linux systems
- Understanding of Linux booting and configuration
- Experience with embedded systems or communications protocols
- Good knowledge of control theory and its application embedded systems.
- Believes in agile software development and has used it effectively
- Experience in developing Home Area Network application layers for Zigbee or Z-Wave
- Experience of all levels of the software stack from low level hardware interaction up to applications