

Software Engineer (Linux, C++, Embedded Applications) for Robotics and AI Start Up

Job Title: Software Engineer

Reporting to: Head of Product Development

Term: Permanent, Full or Part Time

Deadline: ASAP

Package: Salary + Performance Related Pay + Options Scheme

Location: SW London (Earlsfield) or Newcastle

The role:

Q-Bot is a high tech, high growth, international start-up, developing robotics and intelligent systems that will revolutionise the built environment. The company is looking to hire a talented Software Engineer, to join a rapidly growing multidisciplinary Product Development team to develop the control systems for robots as well as a number of new products. The ideal candidate would have a degree in Computer Science, at least 2-3 years commercial experience in C++ programming, work fluently within Linux based environments, have good analytical skills, be passionate about robotics, and a wish to address real world applications.

This is an excellent opportunity to get involved with a high tech, high growth company and work within a creative and dynamic team. To make the most of this exciting opportunity Q-Bot is looking for someone who is ambitious, driven and who will be motivated by seeing their efforts have a real and lasting impact. The successful candidate will be rewarded with an exciting, diverse and demanding role which has many opportunities for career progression.

Salary will depend on experience and the successful candidate will also be invited to take part in the Employee Share Option Plan (ESOP) and / or performance related pay.

Duties of the job:

- Creating robotic control systems including user interfaces, control, localisation, vision, mapping and automation routines, and their interface with hardware, sensors, drivers, or firmware.
- Creating applications and databases that intelligently manage asset information including surveying, mapping, quality control and work flow management, along with the processing this information.
- Quality control, including performing tests, problem diagnosis, and debugging.
- Visiting customer sites to understand stakeholder requirements and analyse performance in situ.
- Researching a topic area, reporting and presenting back.
- Project management of assigned projects/work packages.

Essential requirements:

- A good degree in Computer Science, Software Engineering or similar.
- A minimum of 5 years relevant commercial work experience as embedded software engineer or architect.
- Excellent knowledge of Linux and C++.
- Experience of successfully planning, managing and delivering software projects to deadlines.
- Excellent written and verbal communication skills (English).
- Must be eligible to work in the UK without restriction.
- Able to work effectively both as part of a team and individually.

Desirable skills:

- Application of Agile methods from customer functionality, breaking down into technical tasks, estimates etc.
- Experience with ROS, SLAM and / or robotic systems.
- Experience with microcontrollers and electronics.
- Experience of deep learning and machine vision.
- Knowledge of app development and experience creating user interfaces.
- Motivated and goal oriented.
- Shows initiative and diligent.

About Q-Bot:

Q-Bot is at the forefront of robotics, sustainability and the built environment and counts Camden Council, Cardiff Council, CityWest Homes and Peabody among its customers (<https://www.youtube.com/watch?v=ZHeAqMQdFKw> and <https://www.youtube.com/watch?v=aw3K8GFMFg8>).

The intelligent robots developed by Q-Bot have a number of benefits:

- They empower operators, making them more efficient and productive.
- They allow easier, cheaper, safer and more effective execution of tasks than traditionally possible.
- They create buildings that are energy efficient, cheaper to run and much more comfortable.

The company has a highly innovative technology platform with many exciting applications, a creative approach to tackling climate change, combined with a strong social agenda, helping people in fuel poverty and working with our customers to ensure a positive impact within the local community that we serve. The company's offices are based near Earlsfield and Wandsworth (South West London). Q-Bot is an equal opportunities employer and welcome applications from all suitably qualified persons regardless of their race, sex, disability, religion, belief, sexual orientation or age.

Please apply to: future@q-bot.co with a covering letter and CV. **Please note:** no recruitment agents, thank you.

