

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

Job Title: Senior Embedded Software Engineer

Reporting To: Head of Product Development

Deadline & Term: ASAP, Permanent, Full Time

Package: Salary + Performance Related Pay + Options Scheme

Location: SW London (Earlsfield)

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 Senior Embedded Software Engineer, to join a rapidly growing, multidisciplinary product development team. The ideal candidate would have a relevant degree in Computer Science (or equivalent) and commercial experience as a senior software engineer, software team lead, or software architect. This is a hands-on role with an emphasis on architecture, design and development, from conceptualisation through to delivery. The successful candidate will be responsible for ensuring the company's software solutions perform as required, are usable, reliable, secure and can be scaled. They will structure the development program, and help to shape the direction of future research and development.

This is an excellent opportunity to get involved high growth company as it scales, work within a creative and dynamic team, with many opportunities for career progression. To make the most of this exciting opportunity Q-Bot is looking for someone who is ambitious, driven, passionate about robotics/AI, and who will be motivated by seeing their efforts have a real and lasting impact. The successful candidate will be rewarded with an exciting and diverse role, and influence to shape the engineering vision and strategy of the company. 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:

- Provide technical leadership, own and communicate the software road map and architecture.
- Identify technical requirements, put in place plans, manage projects and report on progress.
- 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.
- Coach others and ensure good knowledge transfer, both within the team and across the business.
- Take responsibility for quality control, perform tests, problem diagnosis, and debugging.
- Visiting customer sites to understand stakeholder requirements and analyse performance in situ.

Essential requirements:

- Fluent in C++ and Linux, with a good degree in Computer Science, Software Engineering or Embedded Systems.
- A minimum of 5 years relevant commercial work experience as embedded software engineer or architect.
- 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 first functionality, breaking down work into technical tasks, estimates etc.
- Experience leading and organizing a team.
- Experience with ROS and / or robotic systems.
- Experience with microcontrollers and electronics.
- Knowledge of app development and experience creating user interfaces.
- Motivated and goal oriented.
- Shows initiative and diligent.

About Q-Bot:

Q-Bot is a high-tech start up at the forefront of robotics, sustainability and the built environment designing and building robots that help install insulation in existing homes at a fraction of the cost and disruption associated with traditional methods. The company counts a number of Local Authorities and Social Landlords among its customers (<https://www.youtube.com/watch?v=ZHeAqMQdFKw> & <https://www.youtube.com/watch?v=aw3K8GFMfg8>).

The intelligent construction 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 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. The company's offices are based in Earlsfield, Wandsworth (South West London). Q-Bot is an equal opportunities employer and welcomes 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.** If you don't fit this requirement exactly but are degree qualified embedded software engineer with significant experience in at least one programming language feel free to e-mail a CV as you may be suitable for other positions we are recruiting for.

