Software Engineer

Active Silicon Ltd
July 2022

Overview

Active Silicon is a market leader in the design and manufacture of leading-edge computer imaging products. These products are used in many areas of science and industry, including manufacturing, life sciences, medical imaging, robotics and security, with many products targeted to specific customer requirements. The current range of products can be seen on the company's website. The type of customers we have, are in general, medium to large companies with which we forge strong long-term relationships and are located all over the world. Active Silicon is part of the Solid State Plc group, listed on the AIM stock market under code SOLI.

This job description is for the role of Software Engineer, with responsibility for the development and maintenance of new and existing products.

The current product range is here - https://www.activesilicon.com/products/

Summary details

Job Type: Permanent, Full Time

Job Title: Software Engineer

Location: Flexible blend of working from home and office-based work at Iver, UK (just outside M25, NW London).

Hours: 37.5 hours per week, 25 days annual holiday (plus public holidays).

Salary: £35k - £45k depending on skills and experience.
Plus pension, healthcare and bonus scheme.

Qualifications: A Bachelors or Masters in Computer Science or Electrical Engineering

Experience: 2+ years of professional experience working with C/C++

The type of person we are looking for

The right candidate is likely to have a good Computer Science or Electrical Engineering degree, plus perhaps other post-graduate qualifications and a track-record of software development in C/C++. One of the most important traits is the desire, drive and enthusiasm to produce the world's best-in-class products.

The role

This is an opportunity to join a diverse development team designing, producing and delivering specialized digital image acquisition products and technologies throughout the world, and across multiple client sectors.

- Take ownership of new and existing software projects and products, working to develop, enhance and maintain them.
- Develop and maintain cross-platform software APIs for our range of high-speed imaging devices.
- Debug complex, system-level, multi-component issues that typically span across multiple layers from hardware to application.

In your first 3 months, you will:

- Add a few new tests to our frame grabbers' automated validation framework to familiarize yourself with the technology (C++, imaging devices).
- Add a new user-facing widget to our frame grabbers UI front-end application (C++, Qt).
- Develop a new demo application to control our imaging devices and display acquired images.

Key competencies

- Leadership – being able to confidently take ownership of new and existing software projects and products, working to develop, enhance and maintain them.
- Develop and maintain cross-platform software APIs for our range of high-speed imaging devices.
- Debug complex, system-level, multi-component issues that typically span across multiple layers from hardware to application.
- Able to write well-structured, supportable code.
- Practical knowledge version control systems (Git, SVN).
- Cross-platform software development (Windows, Linux).
- Excellent attention to detail and the ability to work as part of a collaborative team
- Focussed – able to work to deadlines and meet targets.
- Success driven – having the desire to produce the best products, right first time.
- Communication – good written, verbal and presentation skills – the ability to communicate to the rest of the engineering team, to suppliers and sub-contractors, as well sometimes direct to customers.

Useful additional expertise

The following are a benefit but not a requirement:

- Experience of C#, Python, Qt, WPF
- Experience working with imaging devices.

How to apply

If this sounds like you, please e-mail your CV and cover letter outlining your salary expectations and notice period to recruitment@activesilicon.com. Please refer in the title to "Software Engineer". You must be eligible to work in the UK.

AGENCIES – please note we do not want to receive phone calls from agencies. If you have a suitable candidate please contact us by email through this job advert.