

18 May 2022

Position Advertised: **Production Software Engineer – Full Time**

The Company and Benefits

SST Sensing Limited designs and manufactures a range of electronic sensors and instruments, specialising in fluid and gas sensing products that have been supplied to multiple industries since 2002.

Our electronic sensor design and manufacturing facility is located in Shawhead Industrial Estate, Coatbridge, just off the recently developed A8/M8. We work a 36-hour week, Monday to Thursday, 8.30am to 5pm, Friday 8.30am to 12.30pm and are flexible on the time spent working from home. The company offers a competitive salary, company pension, healthcare and life insurance.

The Role

We seek a Production Software Engineer who will be responsible for the development, management and continuous improvement of our production test environment. This environment is used by the R&D engineers to perform design validation testing; by quality to perform investigations on product performance and by every production line to ensure 100% good quality of every product we ship.

The role will involve the continued development of the existing software frameworks and databases, some of which have been developed in-house, that have been deployed throughout the factory over the last 5 years.

Duties and Responsibilities

- Creating test software to validate new product designs
- Specifying and managing test hardware to interface with new and existing products
- Creating software to auto generate test reports
- Creating production software to allow manufacturing to program and test embedded PCBs
- Creating production software to perform tests on products at various stages of the manufacturing process
- Refining, updating or replacing existing production software
- Functional testing of new embedded software designs and to provide feedback to software design engineers
- Contributing to new product designs
- Functional testing of product interface software to provide to customers
- Creating statistical process control (SPC) software to highlight production issues

Requirements

- Good knowledge of C# dot net, python or equivalents
- SQL Database management
- Experience of manufacturing and test environments
- Experience of hardware and software integration
- Experience of interfacing and controlling test equipment such as environmental chambers, power supplies and measuring equipment
- Good knowledge of serial communications and networking
- Native/Browser based UI design for production test equipment
- Ability to work independently and come up with innovative test solutions

Deadline: 3-06-2022

If you are interested in the above position, please send your CV in the 1st instance to:

Jill White

Email: jill.white@processsensing.com