



## **Software Engineer September 2018**

We are looking for a Software Engineer to join our team of Engineers based at our site in Minchinhampton near Stroud, Gloucestershire.

As a Software Engineer, you will work on embedded software, with responsibility for the development and design of a range of embedded products. You will take a product from concept to reality, creating or adapting the software as required for the application. Also, you will have responsibility for a range of existing products, maintaining the software as required, so you need to be open to working with existing infrastructure and performing code maintenance.

The successful candidate will have experience in writing 'C' or C++ for embedded micro-controllers and within embedded OS environments. You will have a Bachelors or Master's degree in software engineering or a related discipline.

You should be able to collaborate with other team members across a multi-disciplined engineering group, both on site and at other Topcon sites. It is key that you have the ability to work independently with minimal supervision and show a high level of ownership.

This is a permanent, full time (37.5 hours a week) position.

Further information can be found on the job description below.

If you are interested in this position, please email your CV and covering letter to Tejal Patel, Senior HR Advisor at [tpatel@topcon.com](mailto:tpatel@topcon.com).

<b>Job Title:</b>	<b>Software Engineer</b>
<b>Line Manager:</b>	<b>Software Engineering Manager</b>
<b>Location:</b>	<b>Minchinhampton, UK</b>
<b>Job Code:</b>	<b>5213</b>

### **Job Purpose**

Work within the engineering group on embedded software with responsibility for taking a product from concept to reality and creating or adapting the software as required for the application.

### **Main duties and responsibilities**

- Design and develop embedded control, automation and HMI software for a range of Topcon products.
- Write, modify and debug software for embedded and computer applications using languages such as C, C++ and C#.
- Develop and document software requirements and designs including specifications and flow charts which clearly outline the functionality of the software.
- Write software code to create multithreaded, event driven applications (new developments and maintenance of existing products).
- Develop and execute testing to prove that designs meet requirements and to improve reliability and compatibility within products.
- Other duties as required.

### **Required experience, skill and knowledge**

- Bachelor's or Master's degree in software engineering or related subject (or relevant experience).
- Strong technical experience in an industrial environment.
- Experience in writing 'C' or C++ for embedded micro-controllers.
- Experience with embedded OS environments (e.g. FreeRTOS) and an understanding of embedded electronics hardware (especially STM32/PIC32/I2C/SPI).
- Experience of producing production quality embedded software applications.
- Experience with, or knowledge of, CANbus would be advantageous
- Experience of control, agricultural, automotive or mobile weighing systems would be beneficial.
- Excellent interpersonal and communication skills with the ability to work with other team members across a multi-disciplined, multi-location engineering group.
- Ability to work independently with minimal supervision and show a high level of ownership.
- Independent problem solver in software development.