



Job Title:	Software Developer / Test Engineer	Position Type:	Permanent, full-time
Location:	Melksham	Grade:	L / M
Department:	Engineering	Closing Date:	19/04/19
Job Description:			
Purpose of position:	To engineer and maintain embedded software on KBRS products, together with ability to verify software to ensure it meets software and product requirements.		
Training / education:	Degree in Software Engineering related subject or Computer Science or relevant experience.		
Professional experience and / or qualifications:	<p>Essential:</p> <ul style="list-style-type: none"> • In-depth knowledge of serial communications in embedded real-time applications. • Demonstrated development of embedded software using the C language. • Use of configuration control tooling to provide version controlling to KBRS's embedded software. • Extensive experience in black-box software testing. • Experience in testing real time embedded software. • Experience in working to a software quality standard. • Aurix micro controller based development experience. <p>Desirable:</p> <ul style="list-style-type: none"> • Appreciation of developing safety-related software with appreciation of the EN50128. • Significant experience in CAN Bus and Ethernet communications is highly desirable. • Significant experience in RS232, SPI and I2C communications is highly desirable. • Some experience in real-time safety related software development within a software quality process is advantageous. • Have understanding or basic experience in different methods of white-box testing. • C++.NET experience to allow creation or maintaining of test PC applications for embedded software. 		
Additional skills and requirements (IT, languages, extensive travel, etc.):	<ul style="list-style-type: none"> • Have the capability to specify and implement network architectures and communication protocols. • Willing to travel for short periods to support embedded software. • Appreciation of electronics. 		
Financial responsibility:	N/A		
Key indicators:	N/A		

Responsibility for personnel:	N/A
Indicative main responsibilities / duties (5-9 key outputs):	
<ul style="list-style-type: none"> • On receiving product requirements, writing software requirements for real-time embedded software solutions that allow a software tester to write test cases to verify the software's operation. • Given a scope of a software development, produce software test plans that detail the test coverage needed to meet the relevant safety standard. • Develop embedded products and networks with integrated communication interfaces. • Develop easy to follow software test specifications which satisfy the relevant product's software requirements. • Perform black-box testing using available simulation hardware and record results clearly and concisely. • Attain a working knowledge of current systems and provide professional support to internal and external customers on issues they have found using KBRS products. • Assist in continual process improvement. • Module testing code produced using test-harnesses created using KBRS tooling, identifying any issues or proving compliance to functional requirements. 	
Applying for this position:	
By email:	<p>To apply by email, please send your CV and Covering Letter to: recruitment.resmlk@knorr-bremse.com.</p> <p>Please include the 'Job Title' in the email subject.</p>

Please note that roles may close earlier than specified should we receive sufficient applications prior to the written closing date.