

<b>Job Title:</b>	Software Developer / Test Engineer	<b>Position Type:</b>	Permanent, full-time
<b>Location:</b>	Melksham	<b>Grade:</b>	L / M
<b>Department:</b>	Engineering	<b>Closing Date:</b>	30/06/19
<b>Job Description:</b>			
<b>Purpose of position:</b>	To engineer and maintain embedded software on KBRS products, together with ability to verify software to ensure it meets software and product requirements.		
<b>Training / education:</b>	Degree in Software Engineering related subject or Computer Science or relevant experience.		
<b>Professional experience and / or qualifications:</b>	<p>Essential:</p> <ul style="list-style-type: none"> <li>• In-depth knowledge of serial communications in embedded real-time applications.</li> <li>• Demonstrated development of embedded software using the C language.</li> <li>• Use of configuration control tooling to provide version controlling to KBRS's embedded software.</li> <li>• Extensive experience in black-box software testing.</li> <li>• Experience in testing real time embedded software.</li> <li>• Experience in working to a software quality standard.</li> <li>• Aurix micro controller based development experience.</li> </ul> <p>Desirable:</p> <ul style="list-style-type: none"> <li>• Appreciation of developing safety-related software with appreciation of the EN50128.</li> <li>• Significant experience in CAN Bus and Ethernet communications is highly desirable.</li> <li>• Significant experience in RS232, SPI and I2C communications is highly desirable.</li> <li>• Some experience in real-time safety related software development within a software quality process is advantageous.</li> <li>• Have understanding or basic experience in different methods of white-box testing.</li> <li>• C++.NET experience to allow creation or maintaining of test PC applications for embedded software.</li> </ul>		
<b>Additional skills and requirements (IT, languages, extensive travel, etc.):</b>	<ul style="list-style-type: none"> <li>• Have the capability to specify and implement network architectures and communication protocols.</li> <li>• Willing to travel for short periods to support embedded software.</li> <li>• Appreciation of electronics.</li> </ul>		
<b>Financial responsibility:</b>	N/A		
<b>Key indicators:</b>	N/A		

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