



## Job Description

<b>Position:</b>	Snr Hardware Engineer
<b>About the Company, and working environment:</b>	<p>CyanConnode is a world leader in narrowband radio frequency (RF) Smart Mesh Networks, headquartered in Cambridge UK, with subsidiaries in India and Sweden.</p> <p>CyanConnode is an equal opportunity employer and we take pride in the diversity of our employees, valuing the special experience and expertise that people from different cultures and backgrounds bring to our business. We are a global organization with employees from many different countries and backgrounds in the UK and India. The ability to develop ground-breaking technologies is one of our key assets and our people make it happen. Open plan office with excellent facilities, adjacent to the world-renowned Science Park in Cambridge, with access to private meeting rooms and private car parking, and hybrid working environment.</p>
<b>Directly reports to:</b>	Hardware Team Lead
<b>Reports (dotted-line) to:</b>	None
<b>Direct reports:</b>	None
<b>Regularly interacts with:</b>	<p>Hardware and Operations departments Software Team</p> <p>External: Test / Accreditation facilities Suppliers / CEM's / Vendors</p>
<b>Primary location:</b>	CyanConnode office on Milton Road, Cambridge
<b>Travel requirements:</b>	Occasional visits to external test laboratories / possible international travel to CEM sites

<p><b>Role description:</b></p>	<p>Cyan Connode is currently seeking a Hardware Engineer to join their Hardware team, based in Cambridge, near the Science Park.</p> <p>This opportunity would be ideal for a graduate engineer a 5-10 years' work experience in hardware development and testing, not excluded but with advantage for mass production looking for the opportunity to play a key role in the growth of a fantastic business.</p>
<p><b>Primary responsibilities will include:</b></p>	<p>This role requires a hands-on, practical Engineer with knowledge and, ideally, some experience in the following areas:</p> <ul style="list-style-type: none"> <li>• Supporting the team in the delivery of development projects.</li> <li>• Working on Wireless/Cellular based Hardware Development and testing.</li> <li>• Compliance testing.</li> <li>• Testing and verifying product performance / endurance against design specifications and producing test reports.</li> <li>• Hands on debugging / reworking, hardware bring up, use of standard lab equipment.</li> <li>• Knowledge of Altium designer (or other similar CAD packages).</li> <li>• Design for manufacturing, Design for testing.</li> </ul> <p>The candidate may also be called on to support the Manufacturing Operations teams as and when required.</p>
<p><b>Experience and skills required:</b></p>	<p>The following capability would be required:</p> <ul style="list-style-type: none"> <li>• Ability to use industry std CAD tools + library management.</li> <li>• Knowledge of Telecommunication standards, 2G, 3G, LTE, CDMA with knowledge of cellular protocol stack</li> <li>• Knowledge of Protocols TCP/IP, Sockets, HTTP etc.</li> <li>• Knowledge of the RF basic concepts and the RF systems</li> <li>• Base understanding of good development workflow.</li> <li>• Design / schematic capture / PCB Layout / validation.</li> <li>• Team working, as well as working independently.</li> <li>• Academic background in electronics</li> <li>• Good theoretical and practical electronic base, for discrete devices and systems.</li> <li>• Soldering, prototyping, reworking skills.</li> <li>• Troubleshooting, debugging electronic/communication systems</li> <li>• Ability to produce a prototype circuit on strip board.</li> <li>• Preparation and maintenance of design documentation (manuals, test reports, Datasheet etc )</li> <li>• Familiar with the standard lab equipment</li> <li>• Understanding of electronics equipment production runs and prototyping environments.</li> <li>• User Linux Knowledge</li> <li>• Full UK drivers' licence and the ability to travel independently.</li> </ul>

<b>Personal attributes:</b>	<ul style="list-style-type: none"> <li>• Analytical with solving focused attitude.</li> <li>• Flexible; able to work in a small team, or individually as required.</li> <li>• Willingness to learn and looking to progress in electronics design.</li> <li>• Good communication skills in dealing with external parties such as test labs and contract equipment manufacturers.</li> <li>• Ability to get on with a task and take it to completion once shown how to perform it.</li> <li>• Ability to show initiative.</li> </ul>
<b>Working environment:</b>	<ul style="list-style-type: none"> <li>• Hybrid Home/office environment with meeting rooms, whiteboards and projector</li> <li>• Candidates based out of Cambridge/who can move to Cambridge is preferred.</li> </ul>
<b>Qualifications:</b>	<ul style="list-style-type: none"> <li>• Bachelors Degree, HND.</li> <li>• Good understanding and use of Microsoft windows / based PC's, office-based tools.</li> </ul>
<b>Benefits:</b>	<ul style="list-style-type: none"> <li>• Share options</li> <li>• 25 days annual leave</li> <li>• Private health insurance plan (currently BUPA)</li> <li>• Pension scheme with employer contributions</li> <li>• Life cover (3x salary)</li> </ul>
<b>Date document compiled:</b>	30/03/2023