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| **Reporting to:** | Technical Manager |
| **Team:** | R&D  |
| **Location:** | Dublin (Office based) |
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| **Company****Description:** | Impedans stands at the forefront of plasma diagnostic solutions, delivering innovative tools with an unwavering commitment to precision, accuracy, and quality. We cater to a wide array of sectors, including Semiconductor Manufacturers, Equipment Makers, Sub-System Suppliers, and Research Institutes/Universities. Our team, a blend of experienced scientists, engineers, and technicians, is dedicated to pushing the boundaries of technology. At Impedans, we are not just providing solutions, we are facilitating progress in plasma science, ensuring our clients are always one step ahead. |
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| **Team Description:** | The R&D team is made up of a dynamic group of professionals, each bringing their unique expertise and perspective to develop new products, improve existing products, and provide solutions to novel technical problems. The strength of our team lies in its diversity; fostering innovation at the convergence of Physics, Electronics, Mechanics, Hardware Development, and Software/Firmware development.  The team’s primary responsibility is to engineer, deploy, and sustain Impedans’ product portfolio - bringing forth novel applications and perpetually enhancing the precision, accuracy, and quality of our products.  |
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| **Role Description:** | As a Senior Hardware Engineer you would be pivotal in the **design, development, and test** of Impedans’ hardware systems. Working closely with the Principal Architect, this role will require the creation of comprehensive design specifications, the development of robust hardware architectures, and conducting rigorous testing to ensure the systems meet functional and quality requirements. As a senior engineer, you will be required to collaborate closelyacross all R&D disciplines to guarantee the form and functional fit of new hardware sub-systems, facilitating their seamless integrations into a value-adding product, and troubleshoot any issues that may arise in the field. As a senior member of the team, you will be expected to lead projects from a technical standpoint, make autonomous decisions regarding hardware design choices, and provide support and coaching to junior engineers. |
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| **Requirements:** | * BS/MS in Electronic Engineering / Mechatronics / Related field
* 5+ years’ experience working in a multidisciplinary R&D environment
* Experienced in design, development, and test of analogue & digital circuits / PCBA
	+ Design for Test, Design for Manufacture
* Experience working to regulatory requirements CE/EMC/EMI
* Strong understanding of embedded software development (C/C++)
* Excellent communication (written & oral) and teamwork skills
* Analytical thinker with good problem-solving skills
* Knowledge of RF design and integration considered a plus (WIFI, BLE)
* Experienced in various communication protocols considered a plus (I2C, UART, SPI)
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| **Applications:** | Please submit applications to: katie.heaven@impedans.com |