



Atlantic Therapeutics is a growing organisation with an exciting new product that changes people's lives. We are building a team of people with the belief, passion and expertise to make our business a success and positively influence our customer's quality of life. Our vision is to enable millions of people each year to restore their pelvic floor, and thereby restore their control, confidence and active lifestyle.

Job Title **Senior Embedded Software Engineer**

Your role will be to lead the development and design of new products by providing expertise in embedded software design. You will apply your skills and knowledge into our development projects to ensure our devices are developed with our customers' needs and safety at the forefront.

What's important:

- Experience with Embedded C/C++
- Ability to lead, define and develop embedded software alongside other engineering disciplines (electronics, mobile application, manufacturing etc..)
- A proven track record in the development of software with an emphasis on meeting user needs
- Experience working within a regulated environment (medical devices, automotive)
- Opportunity for career progression to a Principal Software Engineering position

The day to day:

- Define, develop, maintain and improve embedded software for our products.
- Lead all phases of the software development life cycle.
- Work with the product development group with input from the marketing team, to improve existing technology and develop new products to add to our portfolio.
- Advise the product development group on incorporating the software development activities into the master delivery schedule and use project management skills to deliver to that schedule.
- Ensure that development work adheres to the requirements of project design briefs and other documentation.
- Provide technical documentation for the design, implementation and testing of the software.
- Play an active role in projects, teams and meetings,
- Participate in risk assessment activities.
- Regularly communicate status and progress on assignments, raising issues and risks in a timely fashion and effectively contributing to mitigating activities.
- Ensure compliance with all regulatory standards and internal procedures including QMS and NPD

Where you've come from:

You will have a third level degree in Software Engineering/Computer Science/I.T. or related qualification, ideally with a minimum of 5 years of experience in the full lifecycle of design and development of software solutions within the medical devices or another similarly regulated industry.

Who you are:

- An experienced software engineer with proven record of code development and support within a regulated, ideally medical device environment.

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- Strong C/C++ skills and software design for the embedded, multi-threading and multi-processor applications with memory and timing constraints.
- Experience in Communication protocols, particularly I2C, SPI, USB and Bluetooth
- Drive the overall architecture and design of products. Must have experience in defining software architecture with a focus on reliability, maintainability and security, with the ability to document and communicate to management and 3rd party vendors.
- Ability to define and implement scalable system architecture and software policies/practices to ensure the maintainability of the code base.
- Robust experience in automated testing to support code base.
- Fundamental knowledge of electronics hardware platforms.
- Proficiency with Python, Java and SQL desirable.
- Excellent debugging and problem-solving skills. Ability to profile software to identify issues and areas of improvement.
- Knowledge of Embedded operating systems.
- Strong knowledge of software structures, development process and industry tools.
- Experienced in design verification and responsibility of the full lifecycle of software projects.
- Excellent communication skills, with detailed concise document writing skills.
- Self-motivated and willing to learn and grow.
- Strong project management skills and attention to detail.
- Excellent team player and ability to work with minimal supervision.
- Advanced Microsoft Office and reporting tool skills.

How you work:

We have created a list of competencies that are required at different levels, for every role within our Company:

COMPETENCY	ADVANCED/INTERMEDIATE/BASIC
Communication	Advanced
Interpersonal skills	Intermediate
Adaptability/Flexibility	Intermediate
Accomplishments/Results Orientation	Advanced
Attention to Detail	Advanced
Customer Service Orientation	Intermediate
Sales Orientation	Basic
Decision Making, Problem Solving & Judgement	Advanced
Initiative & Innovation	Advanced
Leadership	Intermediate
Planning & Organisation	Advanced
Pressure Tolerance & Resilience	Intermediate
Supervising & Developing Others	Intermediate
Teamwork/Working with Others	Advanced

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