



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 **Principal Embedded 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 working within a medical device/regulated environment
- Ability to lead, define and develop embedded software architecture with an appreciation for other engineering disciplines i.e. electronic etc...
- A proven track record in the development of software with an emphasis on quality.

The day to day:

- Define, develop, maintain and improve embedded software for our products.
- Work with the product development group with input from the marketing team, to develop 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, meetings etc.
- Manage all phases of the Software Development Life Cycle (SDLC), including post-implementation support and maintenance.
- Ensure technical files are created and maintained/updated as new products are designed, or existing products are changed.
- 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 and safety procedures.
- Work in compliance with the Atlantic Therapeutics Quality Management System and New Product Development Processes.

Where you've come from:

You will have a third level degree in Software Engineering/Computer Science/I.T. or related qualification, ideally with 5-8 year's 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.

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- Strong C/C++ skills and software design for the embedded multi-threading and multi-processor applications with the memory and timing constraints.
- Proficiency with Python, Java and SQL desirable.
- Experience in Communication protocols, particularly 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.
- Fundamental knowledge of electronics hardware platforms.
- 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 tool.
- Robust experience in automated testing to support code base.
- Ability to define and implement scalable system architecture and software policies practices to ensure the maintainability of the code base.
- Experienced in design verification and responsibility of the full lifecycle of software projects, preferable for Medical Devices.
- Knowledge of and commitment to continuous improvement and problem solving.
- Effective communication skills, with detailed concise document writing skills.
- Self-motivated with effective time management who is 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	Basic
Teamwork/Working with Others	Advanced

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