

Enatel

Position Description

Position: Embedded Software Engineer

Department: Engineering

Reports to: Software Team Leader

Direct Reports: None

Scope of Role:

To design and develop new products and support existing products. To plan, develop and test the products to verify they conform to specification.

Key Responsibilities:

- Software Design - to develop and maintain firmware
 - Product functionality
 - Development time
 - Product reliability
 - Ease of use of the product by the customer
 - Future product maintenance.
- Develop software utilising internal tools and methodologies
- Ability to conform to existing software development processes, tools, and standards (including code, build process, environment, and configuration management standards) while continuously improving on them
- Ensure the solution and code is an accurate implementation of the design, and adheres to coding standards
- Continually improve and review quality control processes, including coding standards, peer review process, unit testing and continuous integration processes and platforms
- Product Maintenance - to modify, enhance and maintain existing Enatel product designs as required
- Write clean and well documented code for a range of projects
- Escalate issues and risks in a timely manner
- Work to plan and commit to schedule
- The Senior Embedded Software Engineer is a member of the Research and Development Team. As a member of this team, you are expected to take an interest and give significant input and advice into projects being worked on by other members of the team.

General:

- Upholds the company values
- Perform any other tasks as required by your Manager and/or the business

- Contributes to the achievements of department goals and objectives.

Health & Safety:

- Ensuring all Health & Safety policies and rules are followed, with all tasks completed in a safety conscious manner
- Adhere to all health and safety policies whether at our Christchurch premises or elsewhere

Environmental:

Enatel is committed to minimising the environmental impact of our operations and products

- Ensuring Environmental policies and processes are followed

Key Relationships:

Internal	External
<ul style="list-style-type: none"> • Sales/ Marketing team • Software team and wider Engineering team 	<ul style="list-style-type: none"> • Third party manufacturers & other suppliers • Contractors

Person Specification:

Attribute	Essential	Desirable
Competencies	<ul style="list-style-type: none"> • Functional/Technical Skills - has the functional and technical knowledge and skills to do the job at a high level of accomplishment. • Action orientated - enjoys working hard and is full of energy for the things he/she sees as challenging. • Integrity and Trust – Is seen as a direct, truthful individual; is widely trusted. • Learning on the Fly – Learns quickly when facing new problems and is open to change. Quickly grasps the essence and the underlying structure of anything. Experiments and will try anything to find solutions. • Creativity – Easily makes connections among previously unrelated notions. Tends to be seen as original and value-added in brainstorming settings. • Problem Solving – looks for opportunities to resolve issues and solve problems. Learns quickly when facing new problems. • Process Management – Good at figuring out the processes necessary to get things done. Can simplify complex processes. • Organising and Planning -Uses resources effectively and efficiently. Accurately scopes out length and difficulty of tasks and projects. Sets objectives and goals. 	
Experience & Knowledge	<ul style="list-style-type: none"> • 3-5 + years embedded software development experience • C++ development & ability to write modular reusable code • Scripting language – at least one 	<ul style="list-style-type: none"> • Knowledge of electronics manufacturing

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	<ul style="list-style-type: none">• Real time OS• A passion for producing stable, clean, maintainable code• Proficient understanding of source control software (eg Git, feature branching and rebasing) and Jira• Familiarity with any Agile development methods• Familiarity with build tools and DevOps best practices• Familiarity with testing automation tools.• Ability to design and apply the continuous integration capability in a complex enterprise environment• Knowledge of software development life cycles and working in a team environment on new product development projects	
Qualification / Licenses	<ul style="list-style-type: none">• Applicable tertiary qualification.	