

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
Skills & Competencies	<ul style="list-style-type: none"> • The ability to learn quickly in a new environment. • Have an appropriate and effective set of core values and beliefs and acts in line with those values. • Integrity and Trust. • Enjoys working hard and is action orientated and full of energy for the things he/she sees as challenging. • Good at figuring out the processes necessary to get things done. • Conflict management. • Creativity – comes up with new and unique ideas. • Learning agility – learns quickly when facing new problems. Open to change. 	

	<ul style="list-style-type: none"> • Good problem-solving skills. • Process management, • Has the functional and technical knowledge and skills to do the job at a high level of accomplishment. • Personal organization and self-discipline to prioritise and manage time effectively. • 	
Traits	<ul style="list-style-type: none"> • Humility. • Strong display of integrity. • Trustworthy. • Passionate about what you do • Self-motivated. 	
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 • 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 	<ul style="list-style-type: none"> • Knowledge of electronics manufacturing

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	<ul style="list-style-type: none">• 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.	