

Enatel

Position Description

Position: Senior 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 design solutions for complex and highly uncertain problems
- 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
- Find opportunities for improvement within the team
- 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
- Leading design team through investigation, planning and implementation
- Provide leadership coaching, support and development other developers within the team
- Review team members code
- 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. • Process Management – good at figuring out the processes necessary to get things done. Can simplify complex processes. • Learning Agility - the ability to learn quickly in a new environment. • Process Management – Spends his/her time and the time of others on what's important. Can quickly sense what will help or hinder accomplishing a goal. Eliminates roadblocks and creates focus. • Problem Solving – looks for opportunities to resolve issues and solve problems. Learns quickly when facing new problems. 	
Experience & Knowledge	5+ years embedded software development experience A core base of technical skills including a combination of:	Other knowledge we value: <ul style="list-style-type: none"> • Web development using Angular/Typescript

	<ul style="list-style-type: none"> • Advanced levels of practical, hands-on experience • C/C++ development & ability to write modular reusable code • Scripting language – at least one • Embedded Linux development • A passion for producing stable, clean, maintainable code • Proficient understanding of source control software and Jira • Familiarity with Agile development methods • Familiarity with build tools and DevOps best practices • Familiarity with testing automation tools. • Familiarity with open source software • Ability to design and apply the continuous integration capability in a complex enterprise environment • Electronics knowledge <p>Working in a team environment on new product development projects</p>	<ul style="list-style-type: none"> • Non-linux development using STM32 microcontrollers or similar • DevOps system management using Gitlab • Hardware debugging • Communication Technologies • Embedded device security • Cloud development
<p>Qualification / Licenses</p>	<p>Relevant tertiary qualification</p>	