

Job Description

Job Title:	Senior Embedded Software Engineer	Job Holder:	N/A
Division:		Grade:	SC
Discipline Area:	Software	Last Updated:	07/10/2025

Job Purpose:

The candidate shall be responsible for the design, implementation, test and integration of embedded software and supporting applications to support the delivery of projects and products.

To work part of an agile team to deliver software engineering capability across a range of products and systems to meet project and customer delivery in a timely and cost-effective manner.

Responsibilities:

1. Software Design & Development

- Software requirements maintenance
- Software architecture maintenance
- Software test generation
- Software Design and Implementation
- Software CI/CD pipeline maintenance
- Software peer review
- Software test implementation
- System integration
- Diagnosis and remediation of faults identified within software
- Release and configuration management of software artefacts for deployment to test and production environments
- Estimating task complexity/effort to support planning
- Mentoring and supporting junior developers within the team

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2. Bid & Proposal Support

- Define software elements of solutions to support bids and enquiries
- Identification and mitigation of technical risks

Key Result Areas:

The jobholder will be expected to:

- Software Design & Development (95%)
- Bid & Proposal Support (5%)
- Understand and implement the company environmental, health & safety policy by accepting individual responsibility and responsibility for those personnel under their authority, including others who may be affected by the company's activities.
- Ensure personnel are aware of their responsibility towards H&S and are equipped accordingly.
- Always set a strong personal example regarding all health and safety matters.
- Identify opportunities to improve processes

Values:

- **Safety First** – We operate safely and responsibly, protecting each other and the environment.
- **One SEA Team** – We are in this together. One team, working ethically, respectfully & professionally. We take responsibility and challenge each other constructively
- **People Focussed** – We all contribute to making our culture one that is supportive and empowering; where everyone can grow and develop, feel valued and rewarded. We prioritise a healthy work-life balance
- **Delivery Excellence** – We exceed our commitments by delivering timely, quality outputs whether that's for each other or our clients and partners. We are always looking for ways to innovate and continuously improve
- **Trusted Partners** - We partner strategically, collaboratively and always with integrity, whether that is between us inside SEA or externally

Training: (if applicable)

Every engineer has a Personal Development Plan agreed with their Head of Discipline that identifies training needs included in the company training plan

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Job Location

The job can be located at any SEA site.

Job Holder Declaration:

I accept the purpose and key result areas of my role with SEA are as outlined above.

Signature: _____ Date: _____

Line Manager Declaration:

I confirm that the purpose and key result areas of this role are as outlined above have been agreed with me as line manager.

Signature: _____ Date: _____