

Marine Institute Job Description

Position	Software Developer (Scientific & Technical Officer STO Grade)
Grade & Contract	Contract of Indefinite Duration (subject to completion of probation and satisfactory performance)
Service Group	Oceans, Climate and Information Services (OSIS)
Location	Rinville, Oranmore, Co Galway (noting that we are currently considering & drafting our blended working policy which may apply to this role)

Who will you Work With and What Will The Role Involve?

The Software Developer will work in the Information Services and Development's Application Development team, developing and supporting software to assist Institute programmes across operational teams including Fisheries Ecosystems Advisory Science, Marine Environment and Food Safety, and Oceanography and Information Services. The Software Developer will develop, maintain and support software solutions with a focus on data processes including scientific data processing and analysis, and information delivery to a range of stakeholders.

This role will involve working closely with groups across the Institute using a highly collaborative approach for software development. The ideal candidate will be a strong communicator and will promote ICT-related technology, processes and innovation to both internal and external audiences.

The role will involve close co-operation with the Information Services & Development teams, with operational teams and with cross-functional groups to ensure software development and support activities integrate well with the Institute's operational ICT infrastructure, standards and processes, are well managed and are aligned with the operational and strategic goals of the Institute.

What Will You Be Doing Every Day?

Principal Tasks:

- Delivery of new software releases and maintenance updates to support Marine Institute services. This will include the use of the Marine Institute Software Development lifecycle and relevant standards and guidelines for software development and systems integration projects.
- Support and Maintenance of Marine Institute software systems to ensure their fitness for purpose and to cater for evolving technology and functional requirements.

- Excellent customer focus through excellence to ensure solutions meet quality and functionality goals that are responsively supported.
- Support for technical and process innovation through the adoption of relevant and well managed software and processes across the Institute.
- Promotion of software development process improvements including technical skills and support for continuous technical development of team members.
- Provide guidance and advice to ensure that Institute software capability is coordinated and fit-for-purpose, including contributing software expertise to 3rd party software integration.
- Any other duties relevant to the role and grade, as required from time to time.

What do You Need to Have Done to Apply for This role? (Education, Professional or Technical Qualifications, Knowledge, Skills, Aptitudes, Experience and Training)

Essential / Important:

- A degree or equivalent in computer science, software engineering, or related discipline.
- Experience of some of the following technologies: .Net programming, C# and ASP.Net, MVC, HTML5, JavaScript, Angular, REST web services, source code control systems, enterprise databases e.g. MS SQL Server or alternative.
- Experience or knowledge of software development processes such as Agile (Scrum, Kanban, etc.).
- Some experience of developing data visualisations, and / or other analytical capabilities.
- A demonstrated ability to use initiative.
- Excellent time management including the ability to work unsupervised.
- The ability to communicate effectively both in writing and verbally at all levels, and with other teams and organisations.
- Demonstrated experience working independently and as part of a team.

Ideally Nice to Have / Desirable:

- Some software development work experience.
- A post-graduate qualification in Computer Science or other relevant area.
- An understanding of structured software development tools and processes, with some knowledge of Continuous Deployment and Automated Testing tools and processes.

- Some experience in developing technical documentation, particular in a structured process-focused or technical environment.
- Some experience with customer support and problem management.
- Some exposure to working with scientific or environmental data.
- A broad understanding of Information Technology e.g. cloud, mobile, IoT.
- Some experience of map-based applications.

What else do you need to know?

(Special personal attributes required for the role)

- Ability to work in a team environment to achieve common goals.
- Solutions-oriented with good initiative and problem-solving ability.
- Good interpersonal skills, with ability to positively interact with a wide range of personality types and at different organisational levels.
- A desire to innovate and drive change.
- Ability to effectively communicate results of teamwork in written and audio-visual formats.
- An interest in travel for national or international project meetings.
- A passion for the marine sector.

Description of Service Group: Oceans, Climate and Information Services – The Wider Team

The mission of OCIS is “To provide scientific, operational and analytical support and services to strategic RTDI and statutory monitoring programmes (at national and international level) to promote and support the sustainable development of Ireland’s marine resources”

Ocean Science and Information Services incorporates:

- Information Services & Development
- Advanced Mapping Services
- RV Operations
- Oceanographic and Climate Services
- Marine Research Infrastructures

Information Services & Development (IS&D) is responsible for the provision of information and communications technology and the central co-ordination of data activities. To do this IS&D is made up of a number of teams’ i.e.

- IT Operations: The IT Operations team manages the Institute’s ICT infrastructure to support reliable and efficient Institute service delivery, including corporate and scientific operations with a focus on reliability, efficiency, and security.

- **Application Development:** The Application Development team manages Institute software services supporting corporate management and scientific data processing, analysis and information access.
- **Data Management:** The Data Management team provides scientific data management services and support to enable efficient and effective scientific data processes and ensuring good data governance.
- **Environmental Technical Data Services:** providing a range of technical data and information services for a number of environmental programmes including to support Marine Spatial Planning and the Marine Strategy Framework Directive.

Who Will You Report to / Who will Manage and Support You?:

The individual will report to the Applications Development Team Leader and other IS&D managers as appropriate.

What we offer

We value our staff, and we value their contribution to the work of the Marine Institute. In return for this, we provide a series of benefits that promote a healthy work-life balance and which we hope will help them to develop professionally. These include Personal and Career Development, Work/Life Balance policies, Employee Assistance Programme, Bike to Work Scheme, Staff Medicals and Annual flu vaccination.

Contacts:

Within the Marine Institute:

The individual will report to the Applications Development Team Leader and other IS&D managers as appropriate.

External:

As STO you will work within the Information Services & Development Section within the Application Development Team and working closely with other IS&D Teams. Other contacts include the Director of OSIS and wider OSIS team, staff across the organisation, external contacts in partner agencies and Departments and 3rd level research organisations.

Salary:

Remuneration is in accordance with the Public Sector, approved Salary Scale for A Scientific & Technical Officer (Engineer III grade) which runs from €33,149-€68,795 on a full time basis per annum pro-rated with time worked. You will become a member of the Single Public Service Pension Scheme unless you are currently or have worked in the Public Sector in the past 6 months or are a member of another Public Sector Scheme.

Annual Leave:

Annual leave entitlement for a Scientific & Technical Officer (Eng III) is 25 days per annum. Annual leave entitlements are exclusive of Public Holidays and are managed using the Time & Leave Management System in Place in the organisation. All leave must be approved by your manager or

their authorised representative; in advance of being taken and in line with Marine Institute leave policies.

Duration of Contract:

An employment Contract of Indefinite Duration will issue for this role at the discretion of the Marine Institute subject to satisfactory performance at the required level and completion of the required probation period. The successful candidate will be on probation for the first six / 6 months.

Who is the Marine Institute?

The Marine Institute is a non-commercial semi-state body, which was formally established by statute (Marine Institute Act, 1991) in October 1992.

Under the Act, the Marine Institute was given the responsibility:

“to undertake, to co-ordinate, to promote and to assist in marine research and development and to provide such services related to marine research and development, that in the opinion of the Institute will promote economic development and create employment and protect the marine environment”.

The Marine Institute is the national agency responsible for marine research, technology, development and innovation (RTDI). The Marine Institute seeks to assess and realise the economic potential of Ireland’s 220-million-acre marine resource; promote the sustainable development of marine industry through strategic funding programmes and scientific services; and safeguard the marine environment through research and environmental monitoring. The Institute works in conjunction with the Department of Agriculture, Food and Marine (DAFM) and a network of other Government Departments, semi-state agencies, national and international marine partners.

Our vision - The Marine Institute, as a global leader in ocean knowledge, empowering Ireland and its people to safeguard and harness ocean wealth.

Our Mission - The Marine Institute, provides government, public agencies and the maritime industry with a range of scientific, advisory and economic development services that inform policy-making, regulation and the sustainable management and growth of Ireland’s marine resources. The Institute undertakes, coordinates and promotes marine research and development, which is essential to achieving a sustainable ocean economy, protecting ecosystems and inspiring a shared understanding of the ocean.

In order to achieve this vision, the MI have six service areas; (1) Ocean, Climate and Information Services, (2) Marine Environment & Food Safety Services, (3) Fisheries Ecosystems Advisory Services, (4) Irish Maritime Development Office, (5) *Policy, Innovation and Research Services* and (6) Corporate Services.

The Marine Institute 5 Year Strategic Plan (2018 to 2022) is available [here](#)

Harnessing our Ocean Wealth (HOOW) is an Integrated Maritime Plan (IMP) for Ireland. HOOW sets out a roadmap for the Irish Government’s vision, high level goals and integrated actions across policy,

governance and business to enable our marine potential to be realised. Goal 2 of HOOW focuses on healthy marine ecosystems and specifically; to protect and conserve our rich marine biodiversity and ecosystems; manage our living and non-living resources in harmony with the ecosystem; implement and comply with environmental legislation (see <http://www.ouroceanwealth.ie/>)

How to Apply:

A C.V. and letter of application, summarising experience and skill set applicable to the position should be emailed to recruitment@marine.ie or posted to Human Resources at the Marine Institute, Rinville, Oranmore, Galway. All correspondence for this post should quote reference **OCIS/STO/Software/Sep2022**

Closing date for Applications:

All applications for this post should be received by the Marine Institute in advance of **12 noon 4th of October 2022**. Unfortunately, late applications cannot be accepted.

Use of Data - all personal data and the information submitted for this application will be used solely for the purpose of this campaign, after which it will be deleted in line with our General Data Protection Regulation Policy and data retention schedule. All information will be treated with the strictest confidence and accessed only by those involved directly in the campaign.

The Marine Institute is an organisation that champions Diversity, Inclusion & Equality for all. We encourage and welcome applications from anyone interested in this role.

Please do advise if there are any special accommodations required for the recruitment process.

We are here to help you access opportunities with us.