TALEO Job Number: 220651
Job Title: DevSecOps Engineer
NATO Grade: G15
Basic MONTHLY salary (12x per year): 5378.03
Closing Date: 12 Sept 2022

Appointment will be subject to receipt of a NATO SECRET security clearance (provided by the national Authorities of the selected candidate) and approval of the candidate’s medical file by the CMRE Medical Adviser.

The CMRE is looking for a DevSecOps Engineer.

The position is in CMRE Engineering and Information Technology Division, within the Software Development and Data Management section.

Are you experienced in the application of Agile methodologies? Would you like to work in a world-class scientific research and experimentation facility located on the beautiful Ligurian coast of Italy? If so, this position could be ideal for you!

GENERAL BACKGROUND

The Centre for Maritime Research and Experimentation (CMRE) is part of the NATO Science and Technology Organization (STO). CMRE is an established, world-class scientific research and experimentation facility that organizes and conducts scientific research and technology development, centred on the maritime domain, delivering innovative and field tested Science & Technology (S&T) solutions to address defence and security needs of the Alliance.

CMRE has more than 60 years of experience and has produced a cadre of leaders in ocean science, modelling and simulation, acoustics and other disciplines, as well as producing critical results and understanding that have been built into the operational concepts of NATO and the Nations.

POST DESCRIPTION

Location: La Spezia, Italy, 80 Km north of Pisa, on the Gul of La Spezia
Division: Engineering and Information Technology (EITD)

POST CONTEXT

This position is within the Engineering and Information Technology Division (EITD), which supports the execution of the Centre’s Scientific Programme of Work. EITD consists of the Engineering Department (ED) and the Information Technology Department (ITD).
ED addresses the engineering and technological requirements of the Centre’s research activity, by designing, developing, constructing, testing at-sea and maintaining, repairing and calibrating electronic, oceanographic, mechanical, acoustical assemblies and unmanned systems, especially prototypes, or combinations of such units as required.

ITD supports the conception, design, development and construction of state-of-the-art technologies in computing, networking and data infrastructure as well as developing, integrating, and validating software applications, services and products. All this is done while ensuring interoperability, security and compliance with relevant NATO policies and regulations.

The position is within the Information Technology Department, Software Development and Data Management Section.

**POST DESCRIPTION**

- Application and evangelization of Agile methodologies
- Leads Agile and DevSecOps project teams, work in an Agile and inter-disciplinary working environment
- Automates workflows and instrument code to ensure testability, traceability, reliability and security of the delivered software services
- Designs, develops, tests, debugs, troubleshoots, deploys, document and maintain software services
- Champions software application security best practices
- Develops and deploys modern data driven architectures and back-end service delivery using micro-services and DevSecOps workflows
- Documents data models and software services
- Supports and coordinates with scientists, architects and operational staff
- Supports the CMRE sea experiments planning with focus on automating data acquisition
- Works closely with CMRE IT team

Supports and coordinates with scientists, architects, and operational staff, champions software application security best practices and is an integral part of the CMRE IT team.

**PRINCIPAL DUTIES**

- Application and evangelization of Agile methodologies
- Leads Agile and DevSecOps project teams, work in an Agile and inter-disciplinary working environment
- Automates workflows and instrument code to ensure testability, traceability, reliability and security of the delivered software services
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SPECIAL REQUIREMENTS AND ADDITIONAL DUTIES

Flexibility Clause

The incumbent may be required to perform other related duties even in other parts of the organization as directed.

All other related duties should correspond with the required competencies for the job.

Deployment/Travel

The incumbent may be required to perform his/her duties onboard Centre or chartered vessels. The incumbent may be required to undertake TDY assignments within and outside NATO boundaries.

ESSENTIAL QUALIFICATIONS

Professional/Experience

• Proficiency in at least two or more programming languages including Python, TypeScript, C++, Java and C#
• Experience with the Agile SCRUM framework
• Experience with Microsoft Azure or other public cloud providers
• Experience with cloud-native computing including orchestration and containerization technologies such as Ansible, Docker
• Professional experience in distributed software deployment automation and configuration management tools such as GitLab, Azure DevOps, Nexus Sonatype, Jenkins
• Professional experience in code analysis, change management, vulnerability management and compliance monitoring
• Knowledge of software architecture design patterns such as micro services, domain driven design and data management practices such as Data Mesh
• Professional experience in writing and working with API specifications and REST endpoints
• Experience with NATO STANAG 2586, meta-data formats such as Dublin Core, ISO 19115 and hierarchical data formats such as NetCDF and HDF5.

Education/Training

• A minimum requirement of a Bachelor’s degree at a nationally recognised/certified University in software engineering, computer science or a related discipline and 2 years post-related experience.

or

• Exceptionally, the lack of a university degree may be compensated by the demonstration of a candidate’s particular abilities or experience that is/are of interest to CMRE, that is, at least 6 years extensive and progressive expertise in duties related to the function of the post.

Language Requirements
A thorough knowledge of one of the two NATO languages, both written and spoken, is essential and some knowledge of the other is desirable.

English SLP 3333

NOTE: Most of the work of CMRE is conducted in the English language.

DESIRABLE QUALIFICATIONS

- Master degree in software engineering, computer science or equivalent.
- Experience in software security and in developing/deploying software products in highly secured environments
- Knowledge of Web application frameworks and Web server configurations
- Knowledge of Kubernetes
- Experience with data portals such as CKAN
- Experience with NATO Core Data Framework

REMARKS:

The successful candidate will be offered a 3-year definite duration contract, which may be renewed.

HOW TO APPLY:

Applications are to be submitted using the NATO Talent Acquisition Program (NTAP) https://nato.taleo.net/careersection/2/jobdetail.ftl?job=220651&lang=en. Applications submitted by other means are not accepted. NTAP allows adding attachments.

Essential information must be included in the application form. Particular attention should be given to Education and Experience section. Each question should be answered completely. Expressions such as “please see annex / enclosed document” or invitations to follow links to personal webpages are not acceptable and will be disregarded. All answers should be in English preferably, or French.