TALEO Job Number: 220664
Job Title: Cloud 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 COSMIC TOP 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.

Do you have experience with cloud-based services? Are you interested in supporting a world-class research institute transition to cloud-based services? Would you like to work in a challenging international environment – located on the Ligurian coast in Italy? If so, CMRE would like to meet 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 Division

POST CONTEXT

This position is within The Engineering and Information Technology Division (EITD), which supports the execution of the Programme of Work. EITD consists of the Engineering Department (ED) and the Information Technology Department (ITD).

- ED
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
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, Scientific CIS Section.

**PRINCIPAL DUTIES**

Main responsibilities include:

- Supports the assessment of the organization's technology infrastructure and explores option for creating and managing cloud infrastructures
- Administers the cloud-based and CMRE-based systems
- Supports the process of migration of applications and data to cloud
- Negotiates with vendors
- Installs, configures, maintains, upgrades, and manages software and hardware.
- Participates in Change Control Board activities.
- Monitors system performance and troubleshoot issues.
- Ensures security and efficiency of IT systems, including those in the cloud, in accordance with the organization’s security policies.
- Identifies and implements cloud-based solutions.
- In collaboration with the Software Development team, supports the planning, designing, and development of cloud-based applications.
- Orchestrates and automates cloud-based platforms throughout the organization.
- Undertakes security testing of systems under his/her responsibility, in accordance with an agreed Security Testing & Verification (ST&V) Plan.
- Supports the CIS Provider in undertaking periodic vulnerability assessments, under the control of Security staff and in accordance with the requirements of the Security Accreditation Authority
- Supports periodic security audits performed by Security Staff and the Security Accreditation Authority.
- Supervises the CMRE Systems Administration Team.
- Supports CMRE teams deployed to off-site experiments.

**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.
As required by the Program of Work, the incumbent may be asked to participate in working groups or project teams and to coordinate and organize the work of other scientists and staff.

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. The duties are mostly performed in an administrative environment but may include work on board of a vessel. The duties are performed indoor and outdoor subject to changing conditions and can involve physical labor. Undesirable working conditions may apply.

**ESSENTIAL QUALIFICATIONS**

Professional/Experience

- Experience with cloud-based services such as AWS, Google Cloud or Azure.
- Experience with Active Directory Domain Services (ADDS) and Active Directory Federation Services, PKI, OU structures and Group Policies, DNS, DHCP, VMware.
- Experience with automatic patch management, e.g., with WSUS and MECM/SCCM.
- Experience with cloud-native computing including orchestration and containerization technologies such as Docker and Ansible.
- Experience managing technical teams.

Education/Training

- A minimum requirement of a Bachelor’s degree at a nationally recognised/certified University in computer engineering, computer sciences 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**
• Relevant post-related training and/or professional certifications such as (but not only) Microsoft MCSE Core Infrastructure, VCP-VMWare Certified Professional, LPIC-3 Mixed Environments, Microsoft Certified: Azure fundamentals, Amazon Web Services (AWS) Solutions Architect, Cloud Security Alliance CCSK
• Experience working in hybrid Windows and Linux/Unix enterprise environments.
• Experience with Windows PowerShell scripting.
• Experience with enterprise storage systems.
• Experience with CI/CD services such as Gitlab, Sonatype Nexus and SonarQube.
• Experience supporting software development teams that use languages such as Java and Python.
• Excellent communication and organizational skills.
• Previous experience with the migration of services from on-premises to cloud.
• Prior experience in working in an international organization.
• Knowledge of NATO responsibilities and organization.
• Knowledge of NATO security policies.
• Security certifications (e.g. CompTIA Security+ or ISC2 CCSP).

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=220664&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.