



GTCR06_18 SOFTWARE ENGINEER (SCIENTIFIC OPERATION)

Deadline: June 18, 2018

The public company Gran Telescopio de Canarias, S.A. (GRANTECAN) is interested in hiring for its Development Group a Software Engineer oriented to the development of management systems of the scientific operation and invites those interested to present their candidacy.

The required engineer must comply to the following profile:

Functions

The Engineer will join the GRANTECAN Development Group to develop software for the operation and maintenance of the GTC. The work to be done will be oriented to projects related to the optimization and support of the scientific operation of the Telescope. The required profile is a "full-stack" whose overall objective is the creation of the necessary services to provide the system with all the necessary information about the observation programs defined by the scientists, and to improve the efficiency in the planning, execution and quality control of these. The tasks to be performed are, among others:

- Requirements capturing for the systems to be developed.
- Design and implementation of applications and services for the management of the operation.
- Design and implementation of code generation.
- Elaboration of unit and integration tests.
- Work in collaboration with the architecture and development teams.
- Install and configure the required software.
- Write technical reports, manuals and support documentation.
- Provide reports on progress and problems.
- Prepare and deliver presentations in project reviews.

Section A (Essential)

Required qualification:

- University degree in computer software engineering, or related areas of second level QF-EHEA (level MECES 3).

Experience and essential skills:

- Knowledge of programming languages and scripting languages oriented to web development (Ruby on Rails, CoffeeScript, Java, JavaScript).
- Knowledge and / or experience developing and using API's REST.
- Knowledge and / or experience in Java GUIs.
- Knowledge and / or experience in the development of SQL and non-SQL database applications (MySQL, MongoDB, or similar).
- Knowledge in the use of software engineering tools (version control, problem reporting systems, IDE's eclipse type, UML).
- Spoken and written English is required with the ability to develop the required work activity.
- Vehicle driving license (level B or higher).

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Section B (Will be assessed)

Knowledge and complementary competences:

- Spanish spoken and written, or the commitment to acquire it quickly for use in the work environment.
- PhD training (third cycle QF-EHEA, MECES 4) in areas related to the required competences.
- Previous experience in astronomical and / or scientific facilities.
- Demonstrated experience in the realization of software projects of medium size, throughout the life cycle of the software until the successful deployment.
- Knowledge in the design and development of distributed services (CORBA).
- Knowledge in design based on patterns.
- Knowledge of development of code generation environments.
- Ability to adapt quickly to changing circumstances.
- Ease to integrate in a development already very advanced.
- Good oral and written communication skills.
- Fair balance between having a general vision of the system and a practical attitude to solve the issues raised.
- Willingness to actively contribute to the continuous improvement of the development process.
- Demonstrated ability to work in a multidisciplinary team environment.

Rating scheme

- Section A: maximum score: 60 points.
- Section B: maximum score: 40 points.

Contractual Information

The selected candidate will sign with GRANTECAN, a full-time work contract for work and service, with a trial period of three months. Its estimated duration will be for a period of two to three years, depending on the duration of the work or service that originates the contract.

The workplace will be the headquarters of GRANTECAN in La Laguna (Tenerife), although depending on the characteristics and circumstances of the candidate, it can be assessed that its workplace is the GRANTECAN headquarters of Breña Baja in La Palma.

The gross salary will be between 36,463.19 and 45,159.26 euros to be agreed according to the experience and worth of the candidate. The works that are made in the Roque de los Muchachos Observatory in La Palma, will have additional compensations.

GRANTECAN is fully committed to equal treatment and opportunities in the workplace.

Submit of applications

Those interested should send before **June 18**, the employment application form (available on our website) and curriculum vitae, in PDF format, to the email address r.personal@gtc.iac.es, indicating the relevant reference number, in the subject line.

Applications submitted late, or those that do not include the mandatory application form will not be considered. In case of incomplete applications, the applicant will have a period of five (5) days, counted from the date in which the missing documentation is required.

For more information about this job, contact the Head of Development of the GTC, Mr. Javier Castro López (0034 922 315031 ext. 597 or e-mail javier.castro.lopez@gtc.iac.es). For more information about the GTC, see our website: <http://www.gtc.iac.es>.