



GTCR04_18 SOFTWARE ENGINEER (DEVELOPMENT ENVIRONMENT)

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 software infrastructure and development environment and invites those interested to submit 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. In the field of development environment, tools that optimize the different phases of the development process will be worked out. Regarding the software infrastructure, the objective is the system architectural consolidation, where the most relevant structural aspects (frameworks) that guarantee the fundamental architectural principles will be addressed. The tasks to be performed are, among others:

- Adapt, configure and install the required development software.
- Development of scripts and applications for the development environment to facilitate the work of the developers and allow the continuous evaluation of the process.
- Management of the construction and installation of software versions in development.
- Reengineering and implementation of frameworks for the telescope control system, according to development standards.
- Execution of unit and system tests.
- Work in collaboration with the architecture and development teams.
- Write technical reports, manuals and support documentation for the environment tools.
- Provide reports on progress and problems.
- Prepare and conduct talks for the group of developers.

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 and experience in design, development, integration and testing of applications that run on UNIX platforms, preferably Linux.
- Knowledge and experience in configuration and implementation of software engineering tools:
 - Version control tools (Git, svn, ...).
 - Continuous integration tools (Jenkins, Maven, Gradle, ...).
 - Software configuration management tools (Puppet, ...).
 - IDE (Eclipse).
 - Virtualization tools (VmWare, ...).
- Knowledge in software design (UML).

- Knowledge in database management (MySQL).
- Knowledge of programming and scripting languages (Python, UNIX shell, Java and C++). Good command of object-oriented programming techniques.
- Spoken and written English is required with the ability to develop the required work activity.
- Vehicle driving license (level B or higher).

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 ability in the realization of software projects of medium size, throughout the life cycle of the software until the successful deployment.
- Knowledge in design patterns.
- Knowledge in code generation development.
- Knowledge and experience in Java GUIs and programming under Eclipse.
- 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>.