

The Forest Science and Technology Centre of Catalonia (CTFC) is a research center affiliated with the Generalitat de Catalunya (the Catalan government), and it reports to the Ministry responsible for forest issues.

The CTFC is a CERCA center and a government accredited TECNIO agent (developer of public technology).

Junior Software Developer

Reference: 26-07-00043

POSITION OVERVIEW

The Forest Science and Technology Centre of Catalonia (CTFC) is looking for a Junior Software Developer to support software development, database management, web architectures, geospatial systems, and advanced computing environments.

The selected candidate will join the CTFC IT development team to participate in research, innovation, and technology transfer projects related to forest management, bioeconomy, biodiversity, landscape dynamics, and climate change adaptation.

The position combines the development of web applications, APIs, database design, process automation, code reviews, and documentation of developed solutions.

Knowledge and/or experience in projects integrating simulation models, forest data, geographic information, web services, analytics platforms, and digital tools for land planning and management will be highly valued.

ABOUT CTFC

CTFC is a public research center affiliated with the Government of Catalonia, operating under the department responsible for forestry. It is part of the **CERCA** system and is accredited as a **TECNIO** technology developer, recognizing its role in public technology transfer.

CTFC is located in Solsona (Pre-Pyrenees), with a team of approximately 200 professionals. The center produces more than 100 scientific publications annually and has an annual turnover of around €13 million.

Its research and innovation activities are structured into four main programs:

1. Multifunctional Forest Management
2. Landscape Dynamics
3. Biodiversity
4. Bioeconomy, Health, and Governance

TERMS OF THE APPOINTMENT

1. Immediate start.
2. Scientific-technical activities contract with a duration of one and a half months.
3. Full-time position (37.5 hours per week).
4. On-site work at CTFC facilities in Solsona.
5. Professional category: Support Technician N1.
6. Salary based on skills and experience.

KEY RESPONSABILITIES

1. Develop and maintain web and desktop applications.
2. Create APIs and integrate services.
3. Design and optimize databases.
4. Automate internal processes.
5. Participate in the development of new features.
6. Collaborate with QA and DevOps teams.
7. Review and improve existing code.
8. Document developed solutions.

MANDATORY REQUIREMENTS

1. Higher Degree in Multiplatform Application Development.
2. Previous experience in software development (internships or professional experience).
3. Knowledge of Python, Java, Rust, and C++.
4. Experience with HTML, CSS, and JavaScript.
5. Knowledge of SQL databases (MySQL, PostgreSQL, Oracle, or SQL Server).
6. Proficient use of version control with Git.
7. Cisco CCNAv7 certification.
8. B2 level (or higher).
9. Proficiency in Catalan.

DESIRABLE REQUIREMENTS

1. Experience with React, NestJS, or WordPress.
2. Knowledge of Rust.
3. Experience in process automation using scripts.
4. Knowledge of networks and systems.
5. Microsoft, Oracle, or Cisco certifications.
6. International experience (Erasmus+) ...

SOFT COMPETENCES

1. Teamwork skills.
2. Responsible, self-motivated, and highly committed individual.
3. Initiative and proactivity.
4. Flexibility and adaptability.
5. Results-oriented with a focus on code quality.

CONTACT

Centre de Ciència i Tecnologia Forestal de Catalunya
Ctra. de St. Llorenç de Morunys, km 2 (direc. Port del Comte)
25280 Solsona
Tel. (+34) 973 48 17 52
E-mail: dep.personal@ctfc.cat
<https://ctfc.cat/>
<https://ctfc.cat/transparencia.php>

SELECTION PROCESS AND CRITERIA

The selection process will be carried out through a two-stage procedure. The first stage will primarily target candidates from the consortium entities, given the nature of the position. The second stage will include the remaining candidates who have correctly submitted their application within the established deadline.

- **Applications:** candidates must submit a CV and a motivation letter via www.ctfc.cat/registre.php by **21 July 2026 at 14:00**, indicating the reference code of the job offer. Applications referring to another person will not be accepted.

The position subject to this call may be declared vacant if the selection committee considers that, despite the existence of candidates who meet the minimum requirements, none is deemed suitable for the position.

The CTFC guarantees an open, transparent, and merit-based selection process (OTM-R) for all registered applications, thus avoiding any bias based on gender, origin, age, ideology, or any other potentially discriminatory circumstances.

Inclusion policy: Priority will be given to candidates with a recognized and accredited disability of 33% or higher, provided that the disability is compatible with the proper performance of the position.

Estimated timeline	
15 working days	Publication and dissemination of the job offer: CTFC website, SOC Office, and other communication channels.
Following 2 working days	Pre-selection: verification of compliance with the minimum requirements and assessment of desirable conditions. Informative email sent to non-eligible CVs.
Following 2 working days	Selection committee meeting: interviews with shortlisted eligible candidates. Minutes of the Selection Committee stating the name of the selected candidate and the reasons for the selection. Publication of the resolution on the CTFC job portal identifying the selected candidate. Informative email sent to interviewed eligible candidates who were not selected.
Following 1 working day	Submission to Human Resources of the official documentation required to process the employment contract and coordination of the contract start date.
July 2026 (approximately)	Start of the contract.