



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2022-IPR-I3-FGIV-020088

**FG IV– Scientific and Technical Officer - Modular
Software Solutions design**

POSITION FOR:

Member of the contract staff FGIV – art. 3b of the Conditions of Employment of Other Servants
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:1962R0031:20110101:EN:PDF>

WE ARE:

As the science and knowledge service of the Commission, the mission of DG Joint Research Centre (JRC) is to support EU policies with independent evidence throughout the whole policy cycle.

The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <https://ec.europa.eu/jrc/>

The current vacancy is in the Text and Data Mining unit of the JRC.

The Text Mining & Analysis Competence Centre is an in-house innovation service supporting EU Institution's Policy Makers, Investigators and Analysts in their knowledge-intensive tasks by providing advanced analytical tools in the field of Text Mining.

WE PROPOSE:

We offer a position for a Scientific and Technical Officer with strong IT expertise to design, develop Modular Software Solutions. Such solutions aims to integrate the various text mining technologies developed by the Unit (which involve state-of-the-art Machine Learning technology, multi-lingual language models, big data storage and indexing, complex data visualisation etc.).

The successful candidate will act as architect, analyst, developer and integrator of modular IT solutions that implement the Unit's R&D results in the field of Text Mining.

The successful candidate will carry out the following tasks:

- Design of modular system architectures ; in cooperation with JRC colleagues, to set up such architectures;
- Implement, develop and integrate text information aggregation and analysis tools;
- Implement, develop and integrate web-based User Interfaces;
- Contribute to scientific publications of the research results;
- Cooperate in an inter-disciplinary team and constructively contribute to the development of appropriate solutions for the tasks.

WE LOOK FOR:

Qualifications/Skills:

- MSc and/or PhD in Computer Science, Artificial Intelligence, Computational Linguistics, Software Engineering, Statistics or related areas,
- At least three years postgraduate experience,
- Hands-on programming experience
- Hands-on experience with on architecting modular IT systems with state-of-the-art technology
- Good knowledge of English (B2 level),
- Good communication skills.

It would be an asset to have:

- Demonstrated skills in development of tools and applications in Java, Python, and/or web technologies
- Experience in designing applying innovative Text Mining solutions to real-life use cases

(involving e.g. ElasticSearch, Natural Language Parsing libraries, Deep Learning Language Models ...).

- Experience of working in a multilingual environment.

INDICATIVE CONTRACT'S DURATION:

36 months initial contract with possible renewals up to maximum 6 years.

PLACE OF WORK:

Ispra (IT)

ELIGIBILITY CRITERIA:

Candidates for this contract agent post shall:

– (i) have passed a valid EPSO CAST selection procedure;

or

– (ii) be registered in the EPSO Permanent CAST https://epso.europa.eu/documents/2240_en

or

- (iii) be registered in the specialised call for researchers <https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-iv-researchers> (used mainly by the JRC).

With a valid application number to one of the above, you may then apply for this specific vacancy at JRC through: <http://recruitment.jrc.ec.europa.eu/?type=AX>.

RECRUITMENT POLICY:

The Joint Research Centre

- Cultivates a workplace based on respect for other people and the environment.
- Embraces non-discriminatory practices and equality of opportunity. In case of equal merit, preference will be given to the gender in minority.