

Title: IO0063 AI Engineer - IT Solutions Officer

Description:

Application Deadline: 23/08/2026
Department: Science & Integration Department
Division / Program: Central Integration Division
Section / Project: IT Project Tools Section
Job Grade: P3/P4 (**SALARY SIMULATOR**)
Language Requirements: Fluent in English (written & spoken)
Contract Duration: Initial Employment Contract up to five years with possibility for extension
The selection process will be conducted with the objective of filling several positions and to draw-up a reserve list of rostered candidates for future vacant positions. The reserve list initially remains valid for two years, with the possibility of extension at the Director-General's discretion.

Please note that the entry grade of this position begins in principle at P3, and the final grade offered to the selected candidate is subject to the decision of the IO Director General. However, the appointment to a position may be made at a lower grade if the qualifications and professional experience of the selected applicant correspond to that grade; in this case, the duties and responsibilities assigned will be adjusted accordingly.

Overview

Are you looking for an exciting opportunity at the heart of an ambitious fusion energy project? Join us as an **IT Solutions Officer, AI** where your goals will include:

- Playing a crucial role in shaping the vision and strategy of ITER’s AI journey while staying hands-on in delivery.
- Designing scalable architecture, establishing best practices, and delivering with a passionate team advanced AI applications that solve real-world business problems for thousands of ITER users.
- Coordinating delivery of AI initiatives and designing scalable architectures across the organization.

The IT Project Tools Section aims to effectively design and operate the ITER Organization’s IT systems and services in high availability and provides user support, ensuring suitable IT systems/ services and to deliver impactful AI-driven solutions to address complex challenges and drive continuous improvement for the ITER Project.

Key Duties and Responsibilities

Primary Responsibilities

- Coordinates contracts / external partnerships and in-house delivery of AI initiatives across ITER, aligning them with the organization’s business goals and priorities.
- Establishes the processes and best practices for AI development, emphasising code quality, maintainability, security, and compliance across the full project lifecycle.
- Architects, builds and ships AI solutions in production across various domains (design, engineering, construction, admin etc.) and guides the technical architecture decisions.
- Supports the full adoption journey, from discovery and initial evaluation through deployment and ongoing improvement.
- Works with a team of AI engineers, fostering an agile delivery culture applying best practice in AI-assisted development.
- Interfaces with other IT teams to integrate AI products into IO projects tools (IDM, Engineering Database, SAP, OPC, CAD tools, etc.)
- Coordinates with senior management and business stakeholders to translate priorities into a coherent AI architecture and delivery roadmap.

Additional Responsibilities

- Stays current with the latest AI trends in implementation patterns and AI product development stacks.
- Actively promotes AI literacy and adoption by disseminating best practices and supporting teams in integrating AI into their day-to-day work.

Please note that job descriptions cannot be exhaustive, and the staff member may be required to undertake other duties, which are broadly in line with the above primary responsibilities.

Experience & Competencies

Essential:

- **Extensive experience** in designing, developing, and deploying production-ready Generative AI and Machine Learning (ML) systems in fast-paced environments.
- **Artificial Intelligence and Machine Learning Delivery:** Experience designing, developing, and deploying production-ready Generative AI and ML systems, including LLM-based applications and RAG pipelines, and moving prototypes into scalable, secure, and maintainable enterprise-grade solutions.
- **Architecture & Technical Leadership:** Ability to define AI architectures, establish development processes and best practices, and guide the technical decisions of a delivery team.
- **Multi-Agent Frameworks:** Hands-on experience architecting multi-agent systems using latest frameworks with a deep understanding of emerging trends.
- **Cloud & MLOps:** Experience deploying AI solutions on cloud platforms such as Azure, AWS, or GCP, and implementing MLOps practices for model lifecycle management.
- Excellent Python programming skills.
- **Communicating Effectively:** Strong communication skills, with the ability to build relationships and explain technical concepts to diverse stakeholders.

Desirable:

- **Directs Work:** Coordinates and guides the activities of small teams of technicians and engineers.
- Experience fine-tuning and evaluating foundation models for performance and safety.
- Experience supporting AI adoption, user training, digital transformation consulting experience and change management.
- Experience in AI applications across design, engineering, or construction fields.
- **Organizational Savvy:** maneuvering comfortably through complex policy, process, and people related organizational dynamics.

Qualifications

Essential:

- Master’s degree or equivalent in AI / Computer Science field or other relevant discipline.
- *The required education degree(s) may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.*

The following items apply to all jobs and job holders for the duration of tenure at ITER Organization:

- **The CARE Values are a framework of principles that guide our actions and define the culture and spirit of the ITER Project:**

Collaboration: We collaborate with commitment and flexibility using the power of teamwork, building partnerships, and working with others to reach shared objectives;

Accountability: We are accountable for the whole project - we take responsibility for our specific actions and are transparent in our daily work, holding self (ourselves) and others accountable to meet commitments;

Respect: We treat each other with respect and dignity at all times, knowing that all of us belong here. We appreciate the value that our multicultural and diverse community brings to the ITER Project;

Excellence: We are driven by excellence; we are agile and innovative while maintaining the highest standards of safety, quality and integrity;

- **ITER Core Technical Competencies:**

1) **Nuclear Safety, Environment, Radioprotection and Pressured Equipment**

2) **Occupational Health, Safety & Security**

3) **Quality Control & Quality Assurance Processes**

- **Knowledge of these competencies may be acquired through on-board training at basic understanding level for all ITER staff members;**

- Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;

- May be requested to perform other duties in support of the project as defined by your line manager, and when relevant upon the request of the matrix manager;

- May be requested to work outside the ITER Organization reference working hours, including nights, weekends and public holidays, due to business needs - this may include on-call, shift work, etc.

- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;

- For staff expected to perform on-call, shift hours, or other work outside ITER Organization reference working hours, including nights, weekends, and public holidays, **the possession of a driving license valid in France is required. no commuting vehicle will be provided by the ITER Organization.**

- Informs management of any important and urgent issues that cannot be handled by line or matrix management and that may jeopardize the achievement of the Project's objectives;