IAEA
International Atomic Energy Agency

Job Description for Professional Posts

Reference: MT2024/13

Position and Grade:	Associate IT Innovation Engineer, P2
Organizational Unit:	Enterprise Software Services Unit Business Solutions Section Division of Information Technology
Duty Station:	Vienna, Austria
Type/Duration of Appointment:	FT – JPO, 1 year

Organizational Setting

The Division of Information Technology provides support to the IAEA in the field of information and communication technology (ICT), including information systems for technical programmes and management. It is responsible for planning, developing and implementing an ICT strategy, for setting and enforcing common ICT standards throughout the Secretariat and for managing central ICT services. The IAEA's ICT infrastructure comprises hardware and software platforms, and cloud and externally-hosted services. The Division has implemented an IT service management model based on ITIL (IT Infrastructure Library) and Prince2 (Projects in a Controlled Environment) best practices.

The Business Solutions Section provides information systems development and support services to IAEA programme areas and to the IAEA as a whole.

The Enterprise Software Services Unit (ESSU) provides enterprise software architecture services that serve as foundations for the implementation of management and programmatic solutions.

Main Purpose

The Associate IT Innovation Engineer provides support for prototyping ideas submitted to the IT innovation program and applies technical knowledge to collaboration and research.

Role

The IT Innovation Engineer is: (1) a technical all-rounder with a curiosity about and interest in new technologies and their application; (2) a researcher interested in exploring emerging trends (formally or informally); (3) a hands on IT practitioner.

Partnerships

The Associate IT Innovation Engineer interacts with customers within the IAEA (and occasionally externally) to scope, deliver and evaluate prototypes as well as undertake or contribute to research around emerging technologies and their applicability to the IAEA.

Functions / Key Results Expected

- Scope, develop and evaluate technical prototypes.
- Contribute or lead research into emerging technologies applied at the Agency.
- Participate in workshops to design or discover new solutions to ideas or problems raised.
- Document prototype and research findings.

Competencies and Expertise (do not revise or edit)

Core Competencies		
Competence	**Occupational Role**	**Behavioural Indicator**
Communication	Individual Contributor	Communicates orally and in writing in a clear, concise and impartial manner. Takes time to listen and understand the perspective of others and proposes solutions.
Achieving Results	Individual Contributor	Takes initiative in defining realistic outputs and clarifying roles, responsibilities and expected results in the context of the Department/Division's programme. Evaluates his/her results realistically, drawing conclusions from lessons learned.
Teamwork	Individual Contributor	Actively contributes to achieving team results. Supports team decisions.
Planning and Organizing	Individual Contributor	Plans and organizes his/her own work in support of achieving the team or Section's priorities. Takes into account potential changes and proposes contingency plans.

Functional Competencies		
Competence	**Occupational Role**	**Behavioural Indicator**
Client orientation	Associate	Establishes effective relationships with clients to understand and meet or exceed their needs. Finds ways to ensure client satisfaction.
Commitment to continuous process improvement	Associate	Identifies opportunities for process, system and structural improvement as well as improving current practices, increasing effectiveness and achieving efficiency gains. Actively supports the application of sound quality management standards and process improvement.
Technical/scientific credibility	Associate	Acquires and applies new skills to remain up to date in his/her area of expertise. Reliably

		applies knowledge of basic technical/scientific methods and concepts.

Expertise	
Expertise	**Description**
Information Technology/Information Technology and Data Processing	Expertise and/or a demonstrated interested in emerging technology and/or experience as a technology innovator or maker;

Education, Experience and Language Skills

- University degree in Computer Science, Engineering or equivalent or higher in CS, IT, a related technical or engineering field or the equivalent experience.

- Minimum two years working experience in Information Technologies related areas including

    o Scripting Language: proficiency in one or more scripting language (e.g. Python);

    o Databases: through knowledge of SQL and other database technologies;

    o Web Development: through knowledge of web development including HTML, CSS, Javascript, AJAX and at least one server-side programming language as well as API based web services;

    o Expertise in or exposure to data analysis;

- Excellent oral and written command of English. Knowledge of other official IAEA languages (Arabic, Chinese, French, Russian and Spanish) is an asset.