



Role: IT Security Architect
Area: Business Services
Sub-Area: IT Business Operations
Location: Dublin/Cork

Duration: Permanent **Salary:** Competitive **Ref:** 240S18

Ervia is a commercial semi-state company which provides strategic national gas and water infrastructure and services in Ireland. Through our regulated business, Gas Networks Ireland, we build and operate one of the most modern and safe gas networks in the world. In 2014, we took responsibility for the operation and maintenance of Ireland's water and wastewater assets through our other regulated business Irish Water. Ervia directly employs over 1,600 people who deliver services to 1.6 million customers daily. We are guardians of the national assets and experts in our field. Our infrastructure supports economic and social development, protects the environment and enhances the health and quality of life of the Irish people.

The Role:

The IT Security Architect is responsible for embedding IT security as part of Ervia's work processes, procedures, architecture, and company culture. Additionally they will be responsible for articulating how security decisions will meet the current and future needs of the Ervia organisation, and taking decisions that secure enterprise information by determining security requirements; planning, implementing, and testing security systems; aligning with security standards, policies, and procedures; and mentoring team members.

Reporting into the IT Security Lead, the IT Security Architect will also have responsibility for ensuring that the organisation is protected from unnecessary risk with respect to confidentiality, integrity and availability of business systems and will be the subject matter expert for all security architecture operational and delivery issues across the organisation.

Duties and Responsibilities:

- Responsible for overseeing the implementation of IT security standards, policies and procedures appropriate to the IT security needs of Ervia.
- Leading the process of defining the security design of all IT systems, including high level and detailed design planning and / or reviews in line with security standards to ensure compliance while aligning standards, frameworks and security design with overall business and technology strategy.
- Plan security systems by evaluating network and security technologies; developing requirements for local area networks, wide area networks, virtual private networks, routers, firewalls, and related security and network devices; designs public key infrastructures, including use of certification authorities and digital signatures as well as hardware and software; adhering to Ervia and industry standards.
- Implements security systems by specifying intrusion detection methodologies and equipment; directing equipment and software installation and calibration; preparing preventive and reactive measures; creating, transmitting, and maintaining keys; providing technical support; completing documentation.
- Upgrades security systems by monitoring security environment, identifying security gaps, evaluating and implementing enhancements.
- Prepares system security reports by collecting, analyzing, and summarizing data and trends.
- Updates job knowledge by tracking and understanding emerging security practices and standards
- Provide oversight, guidance and direction to security operations for security related matters.
- Maintain awareness and understanding of applicable EU, state and industry regulations and/or standards and aligning security architecture with them.

- Offer expert guidance on the selection, design, implementation and operation of new security related technologies.
- Identify and communicate current and emerging security threats and design security architecture elements to mitigate threats as they emerge
- Ensuring business understanding of key IT security risks and their impact through effective communication, awareness raising and training initiatives.
- Responsible for the development and presentation of security related documentation and security approaches and designs to senior management and IT colleagues.
- Maintain a deep understanding of infrastructure IT security as well as a high level of expertise around enterprise products and technologies.
- Provide continuity and consistency in all major IT security solution decisions.
- Maintain knowledge and deep expertise in the technology security relevant to Ervia.
- Participation in Priority 1 Issue Resolution for all IT Security incidents
- Ensure confidentiality, integrity and availability of business information.
- Develop and maintain strong business relationships with each business area.
- Perform other duties as required from time to time.

Knowledge, Skills and Experience:

- Relevant third level degree and at least 7 years relevant experience, of which at least 3 will have been in a Security Architecture discipline demonstrating solutions delivery, principles and knowledge of emerging technologies - Designing and implementing security solutions. This includes continuous monitoring and making improvements to those solutions.
- Relevant Security Certification advantageous (e.g. CISSP, CISM, CISA etc.)
- Deep understanding and application of secure network design, Network Hardware Configuration, Network Protocols, Networking Standards, secure information architecture, secure internet service delivery.
- Understanding of security considerations of cloud computing which include approach to data breaches, broken authentication, hacking, account hijacking, malicious insiders APTs, data loss and DoS attacks.
- Experience of Identity and access management (IAM) processes and solutions – the framework of security policies and technologies that limit and track the access of those in an organization to sensitive technology resources.
- Previous experience with initiating and maintaining strategic relationships both internally and externally, using strong influencing skills to achieve business goals.
- Strong leadership, project and team-building skills, including the ability to lead teams and drive projects and initiatives in multiple departments
- A good understanding of business operations and the commercial viability and impact of technical / professional decisions on the performance of the organisation.
- Driver of high standards for individual, team and organisational accomplishment and delivering desired results.
- Proven track record with dealing with complex issues, proactively and in a timely fashion, along with the ability to communicate complex information to others.
- Extensive experience in building and maintaining relationships (both internal and external) with excellent influencing and negotiation skills.
- Highly motivated individual with strong leadership and technical problem solving skills.

The closing date for receipt of applications for this vacancy is 1st February 2019

Applications, including a current Curriculum Vitae should be emailed to: recruit@ervia.ie

Please include the Reference Number for this Role when making an application

Ervia is an equal opportunities employer