Solution Architect

Job Description Form

Position details

Position number	00000391
Level	6
Award/Agreement	*Public Service Award 1992* *Public Service and Government Officers General Agreement 2014*
Branch	Project Management Office
Directorate	Information Services
Division	Corporate Services
Location	Cannington

Job description

Overview of role

The Solution Architect manages the system architecture and associated tools, policies, practices and standards, in line with the department's Enterprise Architecture framework and ensures that the agreed architecture remains relevant.

The Solution Architect also manages the development and maintenance of appropriate information security elements for the department, in line with the IEC 17799 and Certified Information Systems Security Professional (CISSP) certification standards.

Key responsibilities

Technical Management

- Develop, implement and review frameworks, policies, practices and standards in order to establish and maintain information systems technology architecture and information security for the ongoing and secure provision of Information and Communications Technology (ICT) Services.

- Participates in managing, reviewing, assessing and testing of new technologies, tools and standards and reports findings. Where appropriate, provides solutions, makes recommendations to operational staff, business managers and senior managers.

- Ensures that the organisational aims and objectives in relation to application systems, with respect to their underlying technology requirements, are met in accordance with the department's strategic, business and technology architectural direction.

- Identifies and manages appropriate processes for the mitigation of risks in delivering technical and information security within the ICT services.

1

Service Delivery

- Supports the Project Manager to ensure that the organisational aims and objectives in relation to application systems, with respect to their underlying technology requirements, are met in accordance with the Department's strategic, business and technology architectural direction.

- Plays a lead role in documenting, designing and building the technical and system architecture (using standards and frameworks) for information systems.

- Assists various levels across the Information Services Directorate to analyse, define and improve the technology environments including those used by the project development teams.

- Provides services to the Enterprise Architecture Review Group, project and operational teams on technical and security issues, solution architecture and effort estimation.

Corporate Responsibilities

- Acts in a manner consistent with the Department of Mines, Industry Regulation and Safety values as outlined in the Code of Conduct.
- Performs other duties as directed.
- Take reasonable care to protect your own safety and health at work, and that of others by co-operating with the safety and health policies and procedures of the department and complying with all provisions of the *Occupational Safety and Health Act 1984.*

Work related requirements

Conceptual and analytical skills

1. Highly developed conceptual, analytical and problem solving skills.

Technical skills and work management

2. Substantial experience within an information technology application and development environment, including experience with different project development methodologies (e.g. Prince 2, Agile).
3. Substantial knowledge and understanding of current trends and developments in information technology.
4. Extensive experience in:
   - the development and implementation of IT solution architecture; and
   - working in a technical environment such as Weblogic12c, Oracle 9i, 10g, 11g, DB; Apache Tomcat 7, OE linux, Windows 7, Jasper Reports Server, Jasper Reports Studio, Eclipse, Maven, Subversion, Tortoise, H2, HSQL, MYSQL, JSF.
5. Experience in:
   - the use of frontend technologies such as HTML5, JavaScript, CSS, Angular-JS, Bootstrap;
   - designing/configuring Jasper reports using Studio and Jasper Reports Server; and
   - the use of other major technologies such as Java EE, Spring Container, Spring Controller, Spring Security 4.x, Spring AOP, Spring Transactions, JPA 2.0, JasperReports, RESTful services, Apache Http Client, XML, JAXB, JSON, Jackson, JUnit, PL/SQL, Hibernate 4.x/5,x, JBoss-cache, EJB 3.x, Spring-Batch, Spring AOP, Maven 3.x, Junit 4.x, Quartz, JaxWs.
6. Highly developed ability to meet specified outcomes with limited supervision.

Client relationships, team and people management skills

7. Strong interpersonal with the ability to work collaboratively with peers and maintain positive relationships with managers, staff, external consultants, contractors and other stakeholders.

Professionalism

8. Acts in a in a manner consistent with the Department of Mines, Industry Regulation and Safety values.

Communication

9. Well-developed communication (written and oral) and interpersonal skills, including the ability to liaise and maintain positive relationships with managers, staff, external consultants, contractors and other stakeholders.

Qualifications

10. Possession of, or progress towards, relevant formal qualifications.

Appointment conditions

Integrity requirement	A satisfactory, National Police Certificate or National Police History Check.
Travel requirements	No regular travel is required for this role.
Driver's licence	A current "C" class car licence is required.
Other	Nil.

Certification (HR use only)

The duties, responsibilities and requirements of this role have been approved by the appropriate delegated authority.

This Job Description Form was registered on 3/08/2017.