

Solution Designer

ASX Position Description

ASX “All Roles Flexible”

ASX offers mutually beneficial flexible working arrangements.
We recognise that employees need to balance work and personal lives.

ASX Opportunity Snapshot		What’s On Offer
Role:	Solution Designer	<p>This is an exciting opportunity for a strong Solution Designer to work on a program that will integrate with all major systems at the ASX.</p> <p>You will be focusing on designing, developing, and delivering high quality software solutions that will have a major impact on ASX central systems.</p> <p>In this role the candidate will be part of a cross-functional team working to integrate several existing in-house and vendor-based systems with the new core data system on the new ASX container platform.</p>
Reports to:	Senior Manager, Data & Integration Engineering	
People Management:	N/A	
Budget:	N/A	
Team:	Data & Integration Engineering	
Date:	Aug 2021	
Location:	Sydney, NSW	
Flexible Role:	Yes	

What you’ll do:

This role is suitable for an experienced Solution Designer/Java Lead Engineer with experience in downstream integration, using multiple protocols such as FIX, JMS, Kafka, and Web Services to work on integration with contemporary internal and external systems.

What you’ve done:

- Proven results in programming and applications design.
- Developing API.
- Experience with lightweight containers (spring-boot, tomcat / jetty)
- Experience with Micro-services Architecture and Event-Driven Architecture
- Experience delivering major pieces of work in a complex, agile environment
- Sound knowledge of system analysis methods and tools
- Specific experience in delivery that focuses on the downstream integration of enterprise systems.
- Experience with SQL / NoSQL Databases
- Experience with messaging platforms (JMS, MQ, Kafka)

And if you've got some of this, even better:

- Experience with Docker and Kubernetes
- Working in a cross-functional agile delivery team
- Behavioural (BDD) testing
- Experience with Continuous Integration Tools

What you need to enjoy and be good at for this role:

Delivery

- Design and develop software solutions for business-critical application change projects, with specialisation in a trading environment's an advantage.
- Develop operational and system support tools including documentation to enable effective maintenance and support of applications
- Provide "best practices" and apply to Enterprise and Solution Architecture patterns
- Participate in the technology option/decision evaluation
- Contribute to the health of the code base and team skills by conducting effective code and process reviews
- Apply Agile frameworks, techniques and processes to deliver incremental value to areas of responsibility
- Extensive experience as a Java developer with other contemporary development language exposure preferred.
- Working knowledge of Linux command line with shell scripting an advantage

Solution Design

- Contribute to the design of a technology domain with the goal of becoming the domain owner
- Share design skills across the organisation.

Problem Management

- Accept ownership of a technology domain and the learnings from supporting the solution
- Ensure system availability, reliability, stability, currency and recoverability of applications
- Extensive experience with integration of downstream, in-house, and vendor-based systems.

Management:

- Mentor and support team members with any technical aspects of their job.
- Coordinate work with contractors and consultants on the program.

Quality and Best Practice

- Perform the design and development of software solutions according to development standards, with the goal of providing reliable, stable and operationally sound applications that meet business requirements
- Consistently apply tools, standards, methods and processes in developing solutions to ensure that quality applications are developed with consistent maintainable code which supports risk and compliance management
- Review code to deliver quality driven, robust and production ready code that is compliant and secure