

Software Engineer

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:	Software Engineer	ASX takes pride in its diversity. Gender and cultural diversity are among several other diversity focuses important to the make-up of our business.
Reports to:	Frank He	
People Management:	None	ASX offers a range of benefits including a structured learning and development program, discounted products and services through our partner program and a work life balance policy that most employees utilise.
Budget:	n/a	
Team:	DLT	
Date:	February 2020	ASX is currently undergoing large scale positive transformation across multiple business units and service lines. The business is evolving and diversifying and we need new and additional talent to help us achieve this.
Location:	Sydney, NSW	
Flexible Role:	Yes	A new opportunity has become available in a high profile program to replace our Settlements platform with a DLT - Blockchain solution.

Role Description

The ASX has embarked on an exciting and cutting edge initiative to replace CHES with distributed ledger technology (DLT).

The role is focused on devising and developing solutions to interact with the DLT platform.

This involves developing new capability for the ASX, vendors and market participants throughout the eco system.

This is an exciting and highly visible initiative requiring an entrepreneurial/start-up approach and spirit.

What you’ll do:

- Develop new applications directly on the DLT platform, using the latest open source smart contract language DAML
- Develop and maintain components to integrate with the DLT platform including ledger API integration, data streaming, bot, UI and toolkits etc.

- Become subject matter expert on ASX DLT platform
- Model use case for the potential clients or demo using DAML language
- Provide input into and adhere to development methods and standards
- Explore the distributed ledger platform and collaborate with other teams to operate the platform

What you've done:

- 3+ years of relevant work experiences in software development and application design
- Strong interest in distributed ledger technology, FP and Haskell
- Solid experience in Java and Spring Boot with working knowledge of other programming languages such as Shell script, PostgreSQL, JavaScript and HTML/CSS
- Experience with modern, Agile-based application development methodologies like CI/CD, API management and Docker
- Ability to collaboratively work through technical issues in a professional manner, making design considerations and trade-offs as needed
- Excellent analytical and troubleshooting skill
- Quick learner and willing to pick up new concepts and technologies

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

- Knowledge of DAML
- Working experience with functional programming language - such as Haskell or Scala
- Experience with Distributed System or Blockchain technology
- Working knowledge of gRPC protocol
- Working knowledge of Angular or React

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

- Working in a small team that is adaptable to change in direction and focus.
- Like the opportunities of prototyping and exploring new concepts and ideas (innovation).
- Ability to multi-task and step in to assist anyone in the team as required.

Being focused on outcomes.