

Calypso Technical Platform Lead

Key purpose of the role

Apply knowledge and experience of modern software engineering practices to develop world class software solutions for ASX's customers.

Team	Number of reports
Markets Technology	3-7
Manager	Location
Head of Derivatives Clearing Technology	Bridge Street, Sydney With a hybrid office and work-from-home model
Relationships	Special requirements
You will be working in a cross-functional agile environment that requires collaboration across the line of business, business stakeholders, project team members and broader engineering team.	N/A



Your team

The role will be focused on Derivatives Clearing and Clearing Risk within Solution Engineering. The role will focus on delivering software solutions that support a reliable and efficient derivatives clearing market infrastructure focusing specifically on (but not limited to) ASX's Calypso OTC Clearing Platform. Leading a small team of engineers you will provide technical leadership for the Calypso product system underpinning the ASX's Over-The-Counter (OTC) derivatives clearing business.



Your responsibilities

- Develop and deliver software solutions to support ASX's Clearing customers.
- Coach and provide line management responsibilities for a small team of engineers.
- Ensure CI/CD design and engineering processes adhere to existing engineering standards within defined process controls.
- Be an active member of the Markets Technology engineering team.
- Collaborate with engineers across the group to uplift and streamline software delivery lifecycle (SDLC) management by implementing automation capabilities such as CI/CD.
- Collaborate with the test automation and release management to embed best practices into the CI/CD process.
- Communicate effectively across teams and assist in motivating the broad-based team.
- Be an active member of the Solution Engineering Community of Practice (CoP).

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Your experience and qualifications

Must have

- Proficient in Calypso software development, including in-depth knowledge of its architecture and APIs.
- Experienced in developing Calypso extensions and managing Workflows, Reports, Scheduled tasks, engines, Risk Servers, Grid Calc, ERS etc.
- Experience in delivering major programs of work in a complex, agile environment. Preferably in the capital markets domain.
- Worked with, and delivered on, enterprise CI/CD capabilities and tools, providing guidance on best practices and helping enable major programs to deliver business value.
- A sound understanding of cloud engineering principles underpinned by design and development experience with one or more cloud environments such as GCP, AWS and VMware.
- Knowledge and experience with cloud concepts such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS).
- Knowledge of containerisation concepts and implementation considerations.
- Experience with complex data structures and semi structured data (JSON, XML).
- Experience with Design Governance, taking responsibility for the end-to-end software design process across a large program of work, collaborating with Architecture, Engineering, Developers, and Suppliers.
- Curiosity and Compassion.
- Business acumen in Enterprise Risk and CWS within Calypso

Nice to have

- Good knowledge of the OTC Derivatives market and clearing
- Cloud Engineering, DevOps, or Architecture certifications on AWS or GCP.
- Understanding of Cloud Native frameworks and landscape.
- Work experience in highly regulated environments with significant compliance and audit activities.
- Working in a cross-functional, agile delivery team.
- Experience working with Java8+.
- Experience with CI/CD tools such as GoCD, GitLab, Cloud Build, or Code Build.
- Proficient in Linux, Shell scripting, Gradle, Java 8+, and Spring Boot 2.7+
- Experience in developing Data APIs (REST, GraphQL, gRPC).
- Experience in building and working with Docker container-based services or other CRE.
- Understand challenges and trade-offs building, deploying, and running solutions in different environments.
- Comfortable presenting at Architecture and Design governance forums.

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Skills required for the role

Skill	Skill Indicators & Behaviours
<p>Programming and software development - Developing software components to deliver value to stakeholders.</p>	<ul style="list-style-type: none"> • Designs, codes, verifies, tests, documents, amends and refactors complex programs/scripts and integration software services. • Contributes to the selection of the software development methods, tools and techniques. • Applies agreed standards and tools to achieve well-engineered outcomes. • Participates in reviews of own work and leads reviews of colleagues' work.
<p>Systems Integration and build - Planning, implementing and controlling activities to synthesise system components to create operational systems, products or services.</p>	<ul style="list-style-type: none"> • Provides technical expertise to enable the configuration of system components and equipment for systems testing. • Collaborates with technical teams to develop and agree system integration plans and report on progress. Defines complex/new integration builds. Ensures that integration test environments are correctly configured. • Designs, performs and reports results of tests of the integration build. Identifies and documents system integration components for recording in the configuration management system. • Recommends and implements improvements to processes and tools.
<p>Systems and software lifecycle deployment - Establishing and deploying an environment for developing, continually improving, and securely operating software and systems products and services.</p>	<ul style="list-style-type: none"> • Elicits requirements for systems and software life cycle working practices and automation. • Prepares design options for the working environment of methods, procedures, techniques, tools, and people. • Selects systems and software life cycle working practices for software components and micro-services. • Deploys automation to achieve well-engineered and secure outcomes.
<p>Configuration management - Planning, identifying, controlling, accounting for and auditing of configuration items (CIs) and their interrelationships.</p>	<ul style="list-style-type: none"> • Proposes and agrees the configuration items (CIs) to be uniquely identified with naming conventions. • Puts in place operational processes for secure configuration, classification and management of CIs, and for verifying and auditing configuration records. • Develops, configures and maintains tools (including automation) to identify, track, log and maintain accurate, complete and current information. • Reports on the status of configuration management. Identifies problems and issues and recommend corrective actions.
<p>Requirements Definition and Management - Managing requirements through the entire delivery and operational life cycle.</p>	<ul style="list-style-type: none"> • Defines and manages scoping, requirements definition and prioritisation activities for initiatives of medium size and complexity. • Contributes to selecting the requirements approach. • Facilitates input from stakeholders, provides constructive challenge and enables effective prioritisation of requirements. • Establishes requirements base-lines, obtains formal agreement to requirements, and ensures traceability to source.
<p>Resourcing - Acquiring, deploying and onboarding resources.</p>	<ul style="list-style-type: none"> • Facilitates and supports the execution of resourcing activities in collaboration with managers and teams. • Analyses resource requests to determine tasks, skills and effort required. Creates and communicates open positions internally and externally. Conducts interviews and assessments using a planned format and structure. • Implements internal resource allocation matching skills to tasks. Contributes to transitioning of resources, complying with relevant statutory or external regulations and codes of practice.

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<p>Performance Management - Improving organisational performance by developing the performance of individuals and workgroups to meet agreed objectives with measurable results.</p>	<ul style="list-style-type: none"> • Provides operational direction, support and guidance to assigned colleagues. • Allocates routine tasks or project work, in line with team objectives and individual capabilities. Monitors quality and performance against agreed criteria to make learning recommendations or to escalate concerns. • Coaches colleagues in developing target skills and capabilities in line with team and personal goals. • Facilitates effective working relationships between team members.
<p>Methods and tools - Ensuring methods and tools are adopted and used effectively throughout the organisation.</p>	<ul style="list-style-type: none"> • Provides advice and guidance to support the adoption of methods and tools and adherence to policies and standards. • Tailors processes in line with agreed standards and evaluation of methods and tools. • Reviews and improves usage and application of methods and tools.
<p>Relationship management - Influencing stakeholder attitudes, decisions, and actions for mutual benefit.</p>	<ul style="list-style-type: none"> • Deals with problems and issues, managing resolutions, corrective actions, lessons learned, and the collection and dissemination of relevant information. • Implements stakeholder engagement/communications plan. Collects and uses feedback from customers and stakeholders to help measure the effectiveness of stakeholder management.
<p>Specialist Advice - Providing authoritative advice and direction in a specialist area.</p>	<ul style="list-style-type: none"> • Provides detailed and specific advice regarding the application of their specialism to the organisation's planning and operations. • Actively maintains knowledge in one or more identifiable specialisms. • Recognises and identifies the boundaries of their own specialist knowledge. • Where appropriate, collaborates with other specialists to ensure advice given is appropriate to the organisation's needs.

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