Principal Data Engineer

Sydney, New South Wales, Australia (Hybrid)

ASX: Powering Australia's financial markets

Why join the ASX?

When you join ASX, you're joining a company with a strong purpose – to power a stronger economic future by enabling a fair and dynamic marketplace for all.

In your new role, you'll be part of a leading global securities exchange with a strong brand. We are known for being a trusted market operator and an exciting data hub.

Want to know why we are a great place to work, visit our careers page to learn more.

We are more than a securities exchange!

The ASX team brings together talented people from a diverse range of disciplines.

We run critical market infrastructure, with 1 in 3 people employed within technology. Yet we have a unique complexity of roles across a range of disciplines such as operations, program delivery, financial products, investor engagement, risk and compliance.

We're proud of the diversity of our organisation and the culture of inclusion that all our people help to build every day. Our employee-led groups are known for celebrating cultural and religious events, championing LGBTIQ+ inclusion, inspiring giving and volunteering, promoting gender equality, and wellbeing. We are an Employer of Choice for Gender Equality (WGEA) and a member of the Champions of Change Coalition for the advancement of gender equality in Australia.

About the team:

The Markets Technology team combines technical expertise, innovative problem-solving to design, deploy and implement effective solutions to support the Trading and Clearing businesses within the ASX.

You will be working closely with other technical, Testing, Architecture and our Lines of Business teams on the Design and Implementation of data products on ASXs cloud data platform.

As an experienced data engineer, you will bring both technology expertise and strong Capital Markets domain knowledge setting and owning the technical data product direction for Markets leveraging strategic enterprise cloud/data platforms.

What you will be doing:

> Leveraging your extensive data modelling and capital markets background, enable data product strategy owning design and management of strategic data products within ASX Financial Markets.
> Lead delivery of technical documentation, adherence to best practices, and standard application of processes and controls.
> Provide expert services on contemporary data engineering practices including technology aspects of a mature data management control environment.
> Be part of a cross-functional team planning, designing, creating, enhancing, and documenting new and existing system features to deliver agreed value to stakeholders.
> Own your career development path, guide junior team members along their corporate journey
> Identify, engage and influence stakeholders, including architecture disciplines, asset owners, delivery owner, business stakeholders and SMEs to ensure architecture is optimal, and has the greatest chance of success
> Effectively challenge business leaders to obtain the best technology solutions and fit with our Technology strategy
> Are capable of creating both technology blueprints and engineering roadmaps, for a multi– year Derivatives Clearing transformational journey in building cloud first data solutions!
> Design to Run by ensuring solutions support the operational reliability requirements of critical financial markets infrastructure.

What you will bring:

Must have

> 10+ years' experience working with modern data and integration platforms including data engineering tooling.
> Experience in delivering major programs of work in a complex, financial services environment.
> 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.
> Demonstrated experience working in a Capital Markets engineering environment with sound understanding of capital markets products, trade lifecycle(s) and data models.
> A strong understanding of data product and pipeline principles underpinned by design and development experience with one or more cloud environments such as AWS.
> Strong understanding of contemporary data governance principles and control frameworks.
> Experience of cloud infrastructure automation
> Knowledge of containerisation concepts and implementation considerations
> Experience with complex data structures and semi structured data (JSON, XML)
> Experience in developing APIs (REST, GraphQL, gRPC)
> 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.
> Ability to collaborate constructively and respectively across cross-functional disciplines to achieve product outcomes.
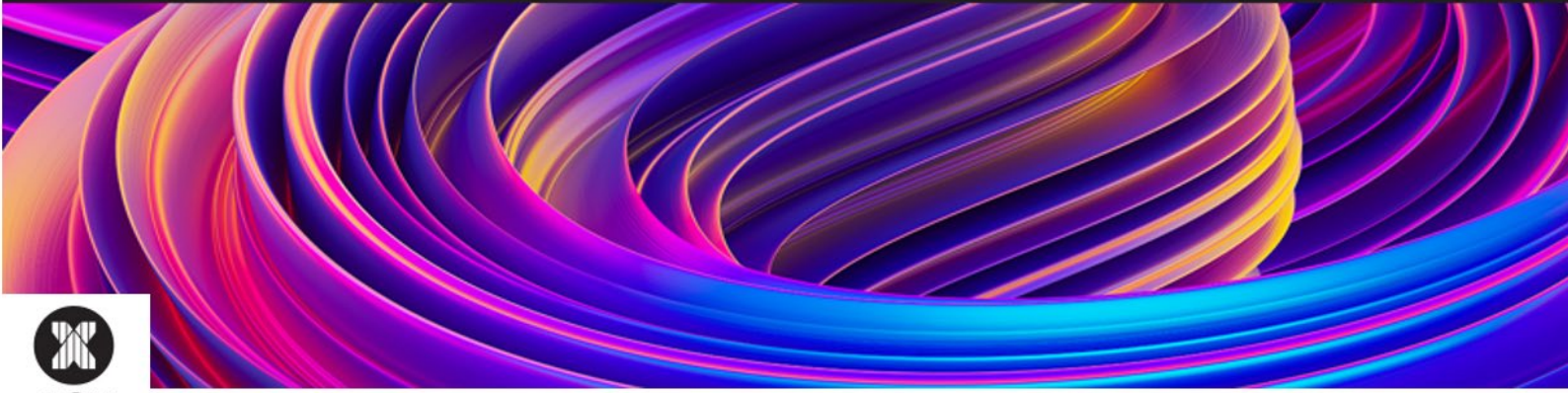> Bachelors Degree in Computer Science or equivalent IT discipline.

Nice to have

> Cloud Data Engineering, DevOps, or Architecture certifications on AWS or GCP
> Work experience in highly regulated environments with significant compliance and audit activities
> Experience with CI/CD tools such as GitLab.
> Understand challenges and trade-offs building, deploying, and running solutions in different environments.
> Comfortable presenting at Architecture and Design governance forums.

We make hiring decisions based on your skills, capabilities and experience, and how you'll help us to live our values. We encourage you to apply even if you don't meet all the criteria of this role. If you need any adjustments during the application or interview process to help you present your best self, please let us know.

At ASX Group, our diverse workforce is essential to build and maintain a fair and dynamic marketplace. We support flexible working and offer hybrid working options. Even if our roles are advertised as full-time, we encourage you to apply if you are interested in part-time or other flexible working arrangements.

We will arrange for successful candidates to have background checks, including reference and police checks completed as part of the on-boarding process.

Recruitment Agencies: ASX does not accept any unsolicited agency resumes and will not be responsible for any fees related to unsolicited resumes.