Data Engineer (LM11392)

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:

Technology & Data (T&D) is one of the four key business lines at ASX and encompasses two core revenue lines. It includes the co-location business Tech Services, and our Information data services business. Tech and Data, Product Delivery is a trusted partner, empowering our customers to safely access, understand and consume Tech Services and Data Products. We create sustainable services and products in an agile way. We live the ASX Values and enjoy being part of a dynamic culture founded on collaboration and respect. In the Product Delivery team, we have specialised skills and work together in unity providing exceptional services to achieve customer outcomes.

What you will be doing:

- Success in this role will be demonstrated by developing and deploying data products and associated analytics using a mixture of cloud-based solutions.
- You will engage directly with internal stakeholders, including product managers and domain experts to understand the mechanics of financial markets and how the data produced in ASX systems can enable you to perform complex modelling, analysis and engineering.

- As part of your responsibilities, you will engineer the transition of solution prototypes into industrialised data products by analysing the models built by our data scientists and analysts.
- You will implement engineering best practice, including automation, reusability and packaging of code, and logical storage and organisation of data for query efficiency.
- Day to day, you will be expected to help support, maintain and enhance the ecosystem of tools that are used by you and your team to innovate at scale, and deliver quickly.
- You will be expected to take initiative and be a self-starter, someone who is comfortable with problem solving and owning a solution from start to finish.
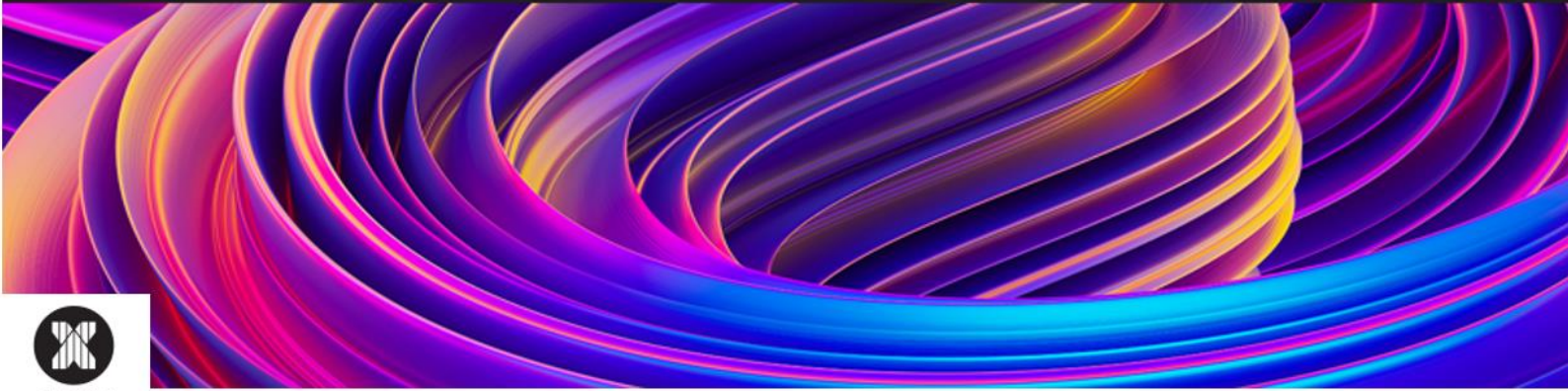
What you will bring:

Must have

- 3 or more years working as a data engineer and/or a data analyst with exposure to financial market businesses functions and datasets.
- Achieved tertiary qualifications in statistics, mathematics, computer science or another relevant field.
- Experience with engineering data processing workflows using tools and services offered by Azure/AWS/GCP.
- Experience with using a variety of traditional data manipulation tools and techniques (primarily Python, SQL).
- An understanding and knowledge of core data structures and algorithms concepts, data mining, data transformation and data visualisation across large structured and unstructured datasets.
- Demonstrable experience with communicating and collaborating effectively with both technical and non-technical stakeholders.
- Working in a fast-paced and iterative environment where outcomes are often unknown at the outset and priorities can change.

Nice to have

- Financial Markets Literacy – Interest in financial data sets, capital markets asset classes (spanning across Equities, Derivatives, or Fixed Income)
- Technical Acumen – Familiarity with scripting languages including Shell/Bash and JavaScript, experience with administering cloud infrastructure resource.
- Intellectual Curiosity – Interested in data and data science related fields, DevOps, ML Model Management, data governance and related engineering concepts, interested in the drivers and continual improvement.
- Results oriented – understands what levers to pull to drive outcomes in tightly regulated but changing environment.
- Adaptable – enjoys change and thrives on ambiguity.

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.