Quantitative Analyst, Clearing Risk Quantitative Risk Methodologies (LM11327)

Sydney, New South Wales, Australia (Hybrid)

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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 ASX has an exciting opportunity for an enthusiastic and experienced Quantitative Analyst to join the Clearing Risk Quantitative Modelling Team to help develop stress testing and margining methodologies across all ASX products. The team is responsible for quantifying and evaluating the risks faced by ASX through research, development and validation of the models used by ASX for pricing and risk management. This role will require strong technical abilities, problem solving and communication skills. The successful candidate will need to be able to identify issues, propose solutions and discuss complex concepts with a broad range of stakeholders. In particular, the ability to represent quantitative models in a clear and simple form that can be understood by stakeholders from business and technology is essential.

The purpose of this role is develop quantitative methodologies to support an uplift in ASX's clearing house risk management framework. The role will collaborative closely with other Risk Management and Line 1 teams in the development of new and enhanced models as part of a broader transformation program.

What you will be doing:

The Clearing Risk Quantification and Development Team are progressing a broad multi-year strategic program of quantitative risk methodology and system work to uplift the existing clearing risk platform to a best-in-class platform. This role is for a quantitative analyst to develop and document the quantitative methodologies required to support the Clearing Risk Technology Road Map. The successful candidate will be responsible for:

➢ Developing new stress testing and margin methodologies for both ASX clearing houses.
➢ Contributing to the back-testing methodology and framework.
➢ Developing/contributing to various other quantitative risk methodology initiatives.
➢ Ensuring any new models or changes to existing models are documented to a high standard, and follow the appropriate governance processes.

This role will involve significant interaction with internal stakeholders, including Credit Risk Policy, Market Risk Oversight and Business Development. Therefore, the successful candidate will need to be both technically proficient and an effective communicator. The ability to understand and meet stakeholder needs, a willingness to receive and implement stakeholder feedback, and adhere to deadlines is essential

What you will bring:

➢ Ideally, the applicant would have experience as a market risk quantitative analyst in a clearing house, banking, finance or related environment. Applicants who lack finance experience but have completed, or are undertaking, post-graduate study in quantitative finance (or equivalent) are encouraged to apply and are asked to include some indication of course completion and academic performance in their application.
➢ Tertiary Qualifications in a quantitative discipline (mathematics, statistics, engineering, quantitative finance, etc.).
➢ Knowledge, either through industry experience or academics, of exchange traded and OTC products, derivatives pricing, market data and conventions.
➢ Demonstrated ability to design pragmatic solutions to complex financial problems.
➢ Good statistical analysis and modelling skills.
➢ Experience in R and/or Python and/ or other compiled languages (e.g. C, C++, java, C# etc).
➢ Excellent communication skills, technical documentation skills and ability to work independently.
➢ Ability and willingness to collaborate effectively with a broad range of stakeholders within and across different functional teams.
➢ Ability to explain technical subjects to non-experts both verbally and in writing.
➢ Curiosity and strong problem-solving skills, being self-motivated, highly resourceful and receptive to constructive feedback.
➢ Collaborative team focus and willingness to own problems and their solutions.
➢ Focus on continuous improvement, attention to detail and ability to deliver to deadlines.

Nice to have:

➢ Experience in Central Counterparty Clearing Risk.
➢ Broad understanding of the RBA's Financial Stability Standards (FSS) for Central Counterparties.

- ➢ Strong commercial acumen.
- ➢ Experience with designing, building, testing and deploying code into production.
- ➢ Experience working in an Agile environment.
- ➢ Experience using Confluence, JIRA and Git (or other version control platforms).
- ➢ Experience in .NET/C# and CI/CD systems (Jenkins/TeamCity/GoCD)
- ➢ Hands on experience with Calypso, Murex or similar vendor platforms

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.