

Senior Automation Test Engineer



Key purpose of the role

This role spans across the MARKETS (LOB) applications where the Test Engineer will be responsible for functional testing the applications across the LOB. The immediate start would be on the applications called MAP and nCORE. These systems managed the Market Announcements Platform and Reference Data and is seeking highly talented, motivated individuals to join its project team.

Team	Number of reports
MAP and nCORE	none
Manager	Location
Program Test Manager	Bridge Street, Sydney. With a hybrid office and work-from-home model
Relationships	Special requirements
Major Stakeholders are immediate project team, other Lines of Business, Quality Engineering COP, Application Support and Business Owners	



Your Team

As a member of the ASX test team, you will work closely with developers, support analysts and business analysts in reviewing and clarifying requirements, test planning and execution, managing defects, reporting on progress and escalating issues to the Program Test Manager.



Your responsibilities

- Test design, using own in-depth technical analysis of functional and non-functional specifications, requirements and solution architecture.
- Hands on manual testing the application across multiple phases of testing.
- Execution, investigation and maintenance of existing automated test cases.
- Design & execute robust test scenarios/test cases in line with wider business transformation strategy and planning.
- Ensure traceability records exist from tests back to requirements & documentation.
- Follow/Apply agreed standards and tools, to achieve well-engineered outcomes.
- Participate in reviews of own work and lead reviews of colleagues' work.
- Interpreting and executing complex test scripts, analysing results and maintaining a defect register.
- Provide reports on progress, anomalies and risks & issues associated with the overall project or release. You'll also report on system quality and collect metrics on tests and results.
- Support and implement the ASX Software Testing Policy and Guidelines within the context of the assigned work and tools used and create and maintain documentation relevant to this.
- Coordinate with internal and external participants/vendors to carry out different phases of testing ex. UAT, E2E etc.
- Escalate risks and issues in a timely manner within existing risk frameworks.
- Assist the Test Manager in test planning and specifying requirements for test environments, test data and tools.
- Being an active member of, the QE&T Community of Practice (CoP).

ASX values

We put the market first

We stand up for what's right

We achieve more together

We drive positive change



Your experience and qualifications

Must have

- A minimum of 5-6 years in software testing.
- Worked in an environment with a structured test process, performing System and System Integration testing.
- Experience in writing Test cases for different phases of testing like System Testing, E2E Testing, UAT testing etc.
- Experience in contributing/writing Test Strategy, Test plan, Test summary etc.
- Proven experience in test design based on in-depth technical and requirements analysis.
- Had exposure to testing at the UI and the API level.
- Experience in writing SQL queries to validate database results & writing and have basic to Mid database skills.
- Experience using Atlassian tools like JIRA, confluence, bit bucket etc. to create test artefacts.
- Experienced in building and maintaining Automation Framework (Java / C#). Preferably Java.
- Experienced in BDD and implementation of Cucumber based automation frameworks
- Good understanding of testing APIs and backend applications
- Worked as part of an agile, cross-functional team.
- Ability to work & solve problems independently and working across multiple projects.
- Delivery focussed – demonstrated track record of seeing projects through to completion, whatever challenges arise.
- Strong communication & collaboration skills, both written and verbal.
- Attention to detail.
- Exposure to status reporting ex. Create reports on system quality and collect metrics on test cases.
- Demonstrate ongoing commitment to participation in professional development as per organisational policy & procedure.

Nice to have

- Knowledge on Finance / exchange systems – knowledge of cash equity markets post trade processes (clearing, settlement) and systems highly regarded.
- Worked in a regulated environment. Conversant with Test processes
- Exposure to non-functional testing, such as performance and load testing.
- Knowledge of messaging protocols, such as FpML, SWIFT or FIX.
- Continuous improvement mindset.

Skills required for the role

Skill	Skill Indicators & Behaviours
Testing - Investigating products, systems and services to assess behaviour and whether this meets specified or unspecified requirements and characteristics.	<ul style="list-style-type: none"> • Designs test cases and test scripts under own direction, mapping back to pre-determined criteria, recording and reporting test outcomes. • Participates in requirement, design and specification reviews, and uses this information to design test plans and test conditions. • Applies agreed standards to specify and perform manual and automated testing. • Automates testing tasks and builds test coverage through existing or new infrastructure. • Analyses and reports on test activities, results, issues and risks.
Programming/Software Development - Developing software components to deliver value to stakeholders.	<ul style="list-style-type: none"> • Experienced in building and maintaining Automation Framework (Java / C#). Preferably Java. • Experienced in BDD and implementation of Cucumber based automation frameworks • Good understanding of testing APIs and backend applications • Experience in working on multiple test environment and test data setup • Experienced in working with complex environments and delivering under tight timelines. • Experience with CI/CD frameworks (preferably Gitlab). • Experience with source control preferably Git/Bitbucket • Demonstrated track record of delivering projects through to completion • Extensive experience with test execution and reporting • Designs, codes, verifies, tests, documents, amends and refactors simple programs/scripts.

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- Applies agreed standards and tools to achieve a well-engineered result.
 - Reviews own work.
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Methods and Tools - Ensuring methods and tools are adopted and used effectively throughout the organisation.

- Provides support on the use of existing methods and tools.
 - Configures methods and tools within a known context.
 - Creates and updates the documentation of methods and tools.
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