Senior Test Automation Analyst

ASX

Key purpose of the role

This role is within Securities & Payments (LOB) and will be responsible for testing the applications across LOB. The immediate start will be on the Fixed Income (Debt & Collateral) program and is seeking highly talented, motivated individuals to join the test team. As a member of the ASX test team, you will work closely with developers, support analysts and business analysts in reviewing and updating existing test cases, automation of test cases, creating new test cases, test planning and execution, managing defects, reporting on progress and escalating issues to the Test Lead/Manager.

Team	Number of reports
Securities & Payments – Technology – Testing Team	0

Manager	Location
Portfolio Test Manager	Bridge Street, Sydney With a hybrid office and work-from-home model

Relationships	Special requirements
As part of a cross-functional software delivery team, this role works closely with Software Engineers, Business Analysts, Project Managers and Business Operations teams to achieve quality outcomes and ultimately contribute to ASX's vision and strategy.	N/A

Your team

This position is within the Securities & Payments (S&P) Technology testing team, and will have the primary responsibility for conducting functional and non-functional tests on applications within the S&P Line of Business (LOB) applications. The S&P testing team comprises 8 members who specialize in supporting deliverables across various services like Debt & Collateral, Payments, Issuer Services, and Equity Post Trade. You will focus on the Debt& Collateral applications, working closely with a team of 4 testers and collaborating with technology teams & delivery teams on all initiatives within the Program of work and across LOB.

You are a practitioner/team member of the Quality Engineering and Testing Capability Community of Practice (CoP).

Your responsibilities

- Responsible for test design, using own in-depth technical analysis of functional and non-functional specifications, requirements and solution architecture.
- Design, code, verify, amend and refactor test automation code and scripts.
- Design, build and maintain a test automation suite using inhouse built automation tool.
- Ensure traceability records exist from tests back to requirements.
- Assist the Test Manager/Test Lead in test planning and specifying requirements for test environments, test data and tools.
- Work closely with BAs, Developers, Support Analysts and Business Stakeholders to ensure understanding of the requirements and to communicate test status and issues.
- Learn and use of automation tools developed internally and externally
- Contribute to the selection of the test automation approach for projects.
- Apply agreed standards and tools, to achieve well-engineered outcomes.
- Participate in reviews of own work and lead reviews of colleagues' work.
- Responsible for 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. Create and maintain relevant documentation.
- 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 7 years' experience in software testing.
- Experience/Exposure in test automation and automation principals and strategies.
- Experience in different phases of testing and writing test cases for system, system integration, regression, end-to-end, UAT, IWT & parallel testing etc.
- Experience in test environment and test data setup.
- Experience with test management tools such as JIRA and confluence.
- Proven experience in test design based on in-depth technical and requirements analysis.
- Have about 3 to 4 years of experience in test automation ex. SpecFlow, UFT etc. or Java, Python based tools. Or coding experience in JAVA or C# programming, BDD Framework.
- Use of different Test management tools QTest or similar.
- Worked in an environment with a structured test process, performing automated System and System Integration testing.
- Worked in financial industry and understand the concepts of clearing and settlement services
- Worked in an environment with a structured test process, performing System and System Integration testing.
- Worked as part of an agile, cross-functional team.
- Worked as part of medium to large sized project teams.
- Created and maintained automated test code and scripts, run automated tests and interpreted & reviewed results from automated test runs.
- Had exposure to testing at the UI and the API level.
- Had exposure to SQL query writing and have basic database skills.
- Had exposure to XML or other message parsing.
- Knowledge of or hands-on experience with CI related processes and tools.
- Understanding of different Non-Functional Testing concepts.
- Ability to multi-task and be comfortable with frequently changing priorities.

Nice to have

- Experience with Cucumber or Specflow
- Exposure to non-functional testing, such as performance and load testing.
- Capital markets domain experience.
- Experience with testing micro-services and/or container-based architectures.
- Knowledge of messaging protocols, such as FpML, SWIFT or FIX.
- Created or contributed to automated test frameworks.
- Strong interpersonal and stakeholder management skills.
- Continuous improvement mindset.

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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.	• Plans and drives testing activities across all stages and iterations of product, systems and service development. • Provides authoritative advice and guidance on any aspect of test planning and execution. • Adopts and adapts appropriate testing methods, automated tools and techniques to solve problems in tools and testing approaches. • Measures and monitors applications of standards for testing. • Assesses risks and takes preventative action. • Identifies improvements and contributes to the development of organisational policies, standards, and guidelines for testing.
Programming/Software Development - Developing software components to deliver value to stakeholders.	• 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.
Methods and Tools - Ensuring methods and tools are adopted and used effectively throughout the organisation.	• 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.

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