

Position description



Title Test Automation Engineer	Reports to Principal Quality Assurance Manager
Division Transformation & Technology	Department Software Delivery
Location Auckland	Last updated April 2024

Our commitment as a Crown Entity

Ka mahitahi mātou o te ratonga tūmatanui kia hei painga mō ngā tāngata o Aotearoa i āiane, ā, hei ngā rā ki tua hoki. He kawenga tino whaitake tā mātou hei tautoko i te Karauna i runga i āna hononga ki a ngā Māori i raro i te Tiriti o Waitangi. Ka tautoko mātou i te kāwanatanga manapori. Ka whakakotahingia mātou e te wairua whakarato ki ō mātou hapori, ā, e arahina ana mātou e ngā mātāpono me ngā tikanga matua o te ratonga tūmatanui i roto i ā mātou mahi.

In the public service we work collectively to make a meaningful difference for New Zealanders now and in the future. We have an important role in supporting the Crown in its relationships with Māori under the Treaty of Waitangi. We support democratic government. We are unified by a spirit of service to our communities and guided by the core principles and values of the public service in our work.

Role purpose

Lotto NZ takes a quality and customer centric view for software delivery. As such Lotto NZ is always striving for more frequent releases whilst maintaining a focus on integrity and quality of delivery. Test automation plays a critical part in achieving this.

As Test Automation Engineer you are responsible for providing automated testing scripts, working with developers and software delivery colleagues to ensure our 24/7/365 services are robust, available, and enhanced, both prior to and after implementation of new services and tools.

This position will support a test-driven culture as we move towards reducing manual overhead testing whilst significantly increasing throughput. The role requires sound technical skills and an interest in test engineering and programming, a background in quality assurance and the ability to communicate clearly with multiple stakeholders.

What you will focus on

Test Framework

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- Implement, and maintain the automation testing framework for Lotto NZ.
 - Develop, and maintain new and existing integration test scripts
 - Identify bottlenecks and optimise scripts to improve performance and reliability
 - Improve automation tests running within our CI/CD pipelines
 - Align manual test cases with automation scripts to reduce overhead and regression times.
 - Automate test output reporting for easy consumption by stakeholders.
 - Ensure code is safely stored, and the automation technology is maintained and fit for purpose
 - Work with Software Delivery leadership colleagues to create automated testing strategy and assist with delivery of initiatives to achieve strategic goals and positive outcomes.
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Bug Identification and Resolution

- Review nightly build runs and engage with relevant parties to resolve issues
 - Engage with development, testing, integration, and architecture teams to understand system nuances and approaches to optimise test execution times
 - Assist with manual testing and fixing bugs in the code when required
 - Provide test plans, strategies, estimations, progress reports, documentation and attend daily stand ups.
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Embed and grow automation within Lotto

- Establish acceptance criteria as part of a specification by example.
 - Proactively chasing down requirements, making tooling suggestions, investigating opportunities for innovation
 - Analysis, problem solving, innovation.
 - Grow our test device capabilities via cloud based and on-premises integration.
 - Applying a pragmatic approach to testings. Identifying what test approach offers the greatest value to achieve the agreed coverage.
 - Innovate in the automated test space to improve operating efficiency.
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Other

- Any other duties as reasonably required by your manager or other key stakeholders.
 - Ensure all company policies, procedures and guidelines are followed and adhered to.
 - Take an active role in promoting and ensuring a safe and healthy workplace at Lotto NZ for yourself and others.
 - Lotto NZ's purpose is to provide safe gaming that allows New Zealanders to play and win while contributing money back to New Zealand communities: Ensure that minimising the potential for harm from our games is a key consideration in all day-to-day activities and decision making, through adhering to all Lotto NZ responsible gaming processes and policies.
 - Ensure the Lotto NZ Health and Safety policy is adhered to (including procedures in the Health and Safety Manual) and hazards, incidents and near misses are reported in the Health and Safety system in a timely manner.
 - Comply with all Lotto NZ security policies and instructions, complete all required security awareness training and report any security incidents or concerns in a timely manner.
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Your skills and experience

Technical skills

- Solid programming experience in JavaScript, ideally with ES6 and TypeScript
 - Testing responsive websites using Selenium WebDriver
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	<ul style="list-style-type: none"> • Web service Testing experience (I.e. SOAP UI) • Testing mobile apps (iOS & Android) using Apium • Real device testing, simulator testing, and remote device farm integration • Gherkin / Cucumber • Jest (or similar framework) • Test management tool • GIT • Jira (or similar), Confluence • Postman or similar tool for making API calls
Experience	<ul style="list-style-type: none"> • Minimum 5 years automation testing experience • Manual and Pact testing and quality assurance best practices • Designing and communicating test strategies • Sound communication, organisation, time management, and interpersonal skills • Working as part of an agile team and following the various agile ceremonies • Testing of e-commerce websites and mobile applications
Qualifications	<ul style="list-style-type: none"> • Bachelor's degree in Computer Science or similar • ISTQB Certification • Advanced technical ISTQB qualifications (desirable)

Authorities

People responsibilities:	<ul style="list-style-type: none"> • 0 person
Signature authority of:	<ul style="list-style-type: none"> • \$0
