# Testing, Senior Automation Engineer

**POSITION NUMBER**  
0024479

**PROFESSIONAL CLASSIFICATION**  
UOM 8 – salary negotiable up to $140,199 (package per annum)

**STANDARD/SALARY**  

**SUPERANNUATION**  
Employer contribution of 17%

**WORKING HOURS**  
Full Time (1 FTE)

**BASIS OF EMPLOYMENT**  
Continuing

**HOW TO APPLY**  
Go to [http://about.unimelb.edu.au/careers](http://about.unimelb.edu.au/careers), under Current staff or Prospective staff, select the relevant option (‘Current Opportunities’ or ‘Jobs available to current staff’) and search for the position by title or number.

**CONTACT FOR ENQUIRIES ONLY**  
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*Please do not send your application to this contact*
THE UNIVERSITY OF MELBOURNE

Established in 1853, the University of Melbourne is a leading international university with a tradition of excellence in teaching and research. The main campus in Parkville is recognised as the hub of Australia’s premier knowledge precinct comprising eight hospitals, many leading research institutes and a wide-range of knowledge-based industries. With outstanding performance in international rankings, the University is at the forefront of higher education in the Asia-Pacific region and the world.

The University of Melbourne employs people of outstanding calibre and offers a unique environment where staff are valued and rewarded.

Find out more about the University’s strategy, ‘Advancing Melbourne’, at https://about.unimelb.edu.au/strategy/advancing-melbourne

CHIEF OPERATING OFFICER PORTFOLIO

The Chief Operating Officer (COO) Portfolio enables quality outcomes for students, staff and partners by delivering University-wide services and operational support to meet the organisation's evolving needs and strategic goals. The portfolio also works in partnership with teams across the University to drive innovation, transformation and improved performance, within and across functions. It is responsible for the University's budget and financial performance, and the management of its property and capital.

The COO Portfolio is comprised of eight sub-portfolios covering all areas of our operations, including the newly established Operational Performance group. This has been established to drive and manage a program of operational improvement and service transformation, underpinned by contemporary business insights, data modelling, predictive analytics, digital tools, and service planning.

- Business Services
- Digital and Data
- Finance
- Legal and Risk
- Operational Performance Group
- Property
- Research, Innovation and Commercialisation
- Student and Scholarly Services
BUSINESS SERVICES

Business Services provides a full range of class leading information technology, facilities management, finance, HR and health and safety services to all operating entities of the University.

Within Business Services IT, the Strategy, Innovation and Assurance (SIA) team provides leadership of cross-functional IT management across Business Services, and the University, ensuring ‘we do the right work’ through strategy and innovation and ‘do the work right’ through governance, organizational and operational model development and performance management. SIA is responsible for functions such as IT strategy, enterprise architecture, innovation incubation, governance, technology partner management, performance management and the definition of IT ways of working.

The Assurance Group within SIA leads improvement of cross-functional IT management disciplines/practices. We are also responsible for the development and oversight of methods to proactively monitor IT performance and risks, and adherence to established policies, processes, and standards. We help assure that IT products and services are delivering value to our customers and stakeholders.

EQUAL OPPORTUNITY, DIVERSITY AND INCLUSION

The University is an equal opportunity employer and is committed to providing a workplace free from all forms of unlawful discrimination, harassment, bullying, vilification and victimisation. The University makes decisions on employment, promotion and reward on the basis of merit.

The University is committed to all aspects of equal opportunity, diversity and inclusion in the workplace and to providing all staff, students, contractors, honorary appointees, volunteers and visitors with a safe, respectful and rewarding environment free from all forms of unlawful discrimination, harassment, vilification and victimisation. This commitment is set out in the University’s People Strategy 2015-2020 and policies that address diversity and inclusion, equal employment opportunity, discrimination, sexual harassment, bullying and appropriate workplace behaviour. All staff are required to comply with all University policies.

The University values diversity because we recognise that the differences in our people’s age, race, ethnicity, culture, gender, nationality, sexual orientation, physical ability and background bring richness to our work environment. Consequently, the People Strategy sets out the strategic aim to drive diversity and inclusion across the University to create an environment where the compounding benefits of a diverse workforce are recognised as vital in our continuous desire to strive for excellence.
ABOUT THE ROLE

Position Purpose:

This role is responsible for carrying out test automation activities aimed at ensuring that new or changed products and services meet defined requirements and agreed levels of quality.

This role is responsible for the design, development, creation, execution, and maintenance of automation testing frameworks, standards, and practices for Business Services IT. They are software developers who design and write programs that run automatic tests on new or existing software.

This role will provide input and advice for testing estimations, testing strategy, testing co-ordination, test analysis, test planning, test scripting, test execution and debugging

This role will work with the TQA Practice Assurance Lead in developing an automation strategy and roadmap and assist with the implementation of the roadmap.

This role provides expert advice and guidance to TQA engineers, TQA Senior Analysts, and other stakeholders regarding test automation.

The role will provide input to improving all other test practice standards, processes, practices, guidelines, and templates, and ensure they are understood and are being consistently applied and adhered to.

The role is required to engage with stakeholders, communicate status, raise risks, issues and dependencies through the appropriate channels and work closely with the TQA Practice Assurance Lead as well as Testing and Quality Assurance (TQA), Leads, and other internal and external stakeholders.

Reporting line: SIA, T&QA Practice Lead
No. of direct reports: 0
No. of indirect reports: 0
Direct budget accountability: N/A

Key Dimensions and Responsibilities:

Task level: Significant
Organisational knowledge: Moderate
Judgement: Moderate
Operational context: Business Services IT

OH&S and compliance: All staff are required to take reasonable care for their own health and safety and that of other personnel who may be affected by their conduct. These include general staff responsibilities and those additional responsibilities that apply for managers, supervisors and other personnel. Specific responsibilities for the role are available at http://safety.unimelb.edu.au/topics/responsibilities/.

Staff must comply with all relevant requirements under the University’s risk management framework including legislation, statutes, regulations and policies.
Core Accountabilities:

- Create, maintain, govern, and improve testing related assets, artefacts, and methodologies for automated testing, including frameworks and automated tests for web applications and back-end functionality.
- Create test deliverables and the test execution for automation testing.
- Assist in the development, maintenance and improvement of testing practice standards, processes, practices, guidelines, tools, and templates, and promoting testing best practices.
- Define and implement best-practice strategies for unit, integration and UI automation testing in a CI/CD environment with a strong focus on high value, risk based testing and fast feedback throughout the build pipeline.
- Develop and implement reusable automated tests to run in a CI/CD pipeline.
- Support the implementation of API for test data management.
- Provides recommendations for future automation requirements to test applications for projects and releases.
- Conduct test automation POCs and analysis for new projects.
- Work with projects and operational teams to ensure effective development and handover of test automation assets for reuse and in support while ensuring its currency and efficiency.
- Govern the execution of the automated suite within the software development lifecycle.
- Liaising and consulting with teams across Business Services and stakeholders to develop and maintain effective working relationships.
- Provide expert advice and guidance for automation testing activities.
- Use all available test tools to conduct test automation testing.
- Maintain knowledge and expertise, take responsibility for own learning and professional development needs and build the skills of others through knowledge transfer.

Selection Criteria:

Education/Qualifications

1. The appointee will have:
   a. Undergraduate qualifications in a relevant discipline or an equivalent combination of relevant experience and education/training in Testing
   b. Qualifications in IT, Business or other relevant discipline and/or equivalent mix of education

Knowledge and skills:

1. Extensive experience in developing and maintaining automation test coverage for new and existing applications.
2. Extensive experience and knowledge in the development and maintenance of automation frameworks and automated test scripts using Selenium and MS technology stack (C#, SQL Server, Coded UI, Microsoft Visual Studio) and at the same time produce high quality code, undertake code reviews, and provide feedback to developers and testers.

3. Demonstrate extensive experience in Test Automation Techniques for API (postman), Service Layer, Client, and Windows bases application as well as automation Mass/Bulk execution techniques such as Selenium Grid, Test Agents Pool.

4. Demonstrated experience with version control (preferably Git).

5. Knowledge of CI/CD platforms like Bamboo, GitLab & Agile Testing.

6. Exposure to Testing Integration in DevOps pipeline CI/CD preferably using Bamboo/GitLab.


8. Demonstrate experience in test configuration and test data management for system and system integration testing.

Desirable
1. Experience in Agile Methodologies.
2. Knowledge/experience with Tricentis Automation tools in particular, Tosca.
3. Experience using DevOps tools and processes (CI/CD pipeline preferably using Bamboo/GitLab).
4. Experience in a university environment.

Other job-related information:
Position located in Carlton, Melbourne.