

## Role Profile

<b>Role Title:</b>	Automation Testing Engineer
<b>Department:</b>	Technology and Transformation
<b>Role Purpose:</b>	The Automation Test Analyst will work with and support Application Development, the Quality Assurance Team, Project Management, and business stakeholders to build robust automated tests for new and existing services.
<b>Reporting to:</b>	Lead Software Engineer
<b>Responsible for:</b>	NA
<b>Checks:</b>	Basic DBS and Social Media Check
<b>Role Level:</b>	Frontline Worker

<b>Key Role Responsibilities</b>	<ul style="list-style-type: none"> <li>• Understand core systems, their integrations, and the business requirements this support.</li> <li>• Drive forward the development and implementation of test automation strategies at Midland Heart.</li> <li>• Implement a risk-based testing approach to prioritise tests that cover the most critical business features.</li> <li>• Design and implement automation frameworks for UI, unit, API and security testing to ensure comprehensive coverage and efficient defect detection.</li> <li>• Create and maintain automated regression packs that can be easily executed as part of a CI/CD pipeline and can be executed manually.</li> <li>• Work collaboratively to define and document test scenarios, test cases and acceptance criteria.</li> <li>• Participate and contribute to a wider QA team.</li> <li>• Performing occasional manual testing (functional/non-functional) to support other teams.</li> <li>• Conduct thorough root cause analysis and collaborate effectively with developers to identify and resolve defects.</li> <li>• Work with the Lead Software Engineer to ensure testing methodologies are fit for purpose, up-to-date and reflect current best practices.</li> <li>• Ensure automated testing aligns with relevant compliance and regulatory requirements for the industry.</li> </ul>
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	<ul style="list-style-type: none"> <li>• Establish and maintain governance practices around test automation, ensuring consistency across projects.</li> <li>• Work with Managed Testing providers, managing the delivery of outsourced testing on specific projects, or as a blended test team approach where required.</li> <li>• Report and provide updates to all key stakeholders on testing progress and outcome; communicate issues and impacts appropriately, liaising with suppliers and internal stakeholders to resolve issues.</li> <li>• Provide guidance and mentorship to team members in test automation principles, tools, and techniques.</li> <li>• Research and evaluate new testing tools and technologies.</li> </ul>
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<p><b>Education, Qualifications and Training</b></p>	<ul style="list-style-type: none"> <li>• A degree or formal qualification in a computer-related field or discipline, or equivalent experience.</li> <li>• Training or experience in the software development lifecycle, particularly in Agile/SCRUM methodologies.</li> <li>• Relevant training or qualifications in software testing and automation practices.</li> </ul>
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<p><b>Knowledge and Experience</b></p>	<ul style="list-style-type: none"> <li>• Experience working as an Automation Tester, SDET or similar.</li> <li>• Experience with C#, JavaScript, WebDriver.IO, Postman and SQL.</li> <li>• Knowledge of SOAP/RESTful API integration, Microservice Architecture and Microsoft SQL Server.</li> <li>• Understanding of XML, JSON and structured data.</li> <li>• Experience of testing web, mobile and data integration solutions.</li> <li>• Web, mobile accessibility testing using suitable technologies.</li> <li>• Hands on testing experience using MS Azure technologies.</li> <li>• Knowledge of the test life cycle and test activities.</li> <li>• Experience in system testing, integration testing, UAT testing, end to end testing, performance testing, functional testing and non-functional testing.</li> <li>• Knowledge and experience of the defect management process, logging, tracking and escalating defects/issues through to resolution.</li> <li>• Knowledge and experience in creating test scenarios, test</li> </ul>
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	<p>cases and test scripts using standard testing techniques.</p> <ul style="list-style-type: none"> <li>• Experience of creating/modifying test data.</li> <li>• Knowledge and experience in creating test execution reports, defect reports and test closure reports.</li> <li>• Experience of working in an Agile/Scrum environment and knowledge of the scrum methodology.</li> <li>• Experience working with outsourcing Managed Testing partners beneficial.</li> <li>• Some experience of performance testing would be beneficial.</li> </ul>
<p><b>Role Specific Skills &amp; Behaviours</b></p>	<ul style="list-style-type: none"> <li>• Should be people-focused, inclusive, and maintain a professional attitude in all interactions.</li> <li>• Must be authentic in their commitments, bold in their confidence and innovation, and highly collaborative, working seamlessly as part of a team to drive improvements.</li> <li>• Self-starter, able to quickly evaluate systems/changes/integrations and determine a course of action for testing.</li> <li>• Able to understand system requirements and changes to translate them into executable tests to demonstrate fitness for purpose.</li> <li>• Good all-round communication skills, both internal and external at all levels.</li> <li>• Ability to translate and explain technical solutions to non-technical users.</li> <li>• Able to work on own initiative or as part of a team.</li> <li>• Self-motivated and organised, able to prioritise own workload effectively.</li> <li>• A pragmatic approach to testing, ensuring business risk is minimised but testing is not unnecessarily onerous.</li> <li>• Good time management skills with the ability to multitask on complex overlapping activities.</li> <li>• Patience and tact in dealing with other people and always remaining professional.</li> <li>• Understanding of and commitment to the principles of equality and diversity.</li> </ul>