



Test Engineer	
<b>Grade</b>	HEO
<b>Location</b>	Swansea, Bristol or Nottingham
<b>Reporting to</b>	Lead Test Engineer
<b>Directorate</b>	Strategy Policy Digital & Technology
Role Purpose	
<p>The Test Engineer will play a critical leadership and technical role in the testing strategy and processes of large-scale DVSA digital services.</p> <p>Working within a delivery focused Agile environment, and in collaboration with members of multi-disciplinary Agile teams, you will play a key role in designing and implementing testing processes and strategies for a range of DVSA digital services. You will be responsible for the delivery of discrete, cost-effective test procedures to support the delivery of major initiatives. You will share knowledge with wider teams, providing support where necessary. You will have a solid understanding of testing methodologies, both manual and automated, and knowledge of scripting languages and tools to support testing procedures.</p> <p>You will ensure that DVSA-developed digital services function properly, meet defined business needs and operate in accordance with government and industry quality standards. You will work with development teams to identify and capture test cases, set up test environments and design and execute test plans for a range of DVSA digital projects and products.</p>	
Main Duties	Activities may include
<b>Testing 100%</b>	<p>Design and implement testing strategies and procedures that meet business requirements, user needs and quality standards by:</p> <ul style="list-style-type: none"> <li>• Designing test processes, including delivery of test plans and objectives</li> <li>• Taking end-to-end ownership of technical tasks and solutions from initial concept to delivery to the production environment.</li> </ul>

	<ul style="list-style-type: none"> <li>• Working closely with Lead test engineer, developers, product owners and wider scrum teams to develop a strong understanding of projects and testing objectives</li> <li>• Providing advice and guidance to stakeholders on test planning and execution processes</li> <li>• Proactively preventing defects by working with development teams to create a shared understanding of requirements</li> <li>• Designing and creating test conditions and scripts to address business and technical use cases</li> <li>• Create, Maintain and Execute automation packs and analyse automation test results</li> <li>• Troubleshooting issues to enable root cause identification and resolution</li> <li>• Documenting, tracking and escalating application defects as appropriate</li> <li>• Identifying and implementing process improvements / contributing to corporate testing standards and definition of best practice</li> <li>• Review test results and modify tests if necessary</li> <li>• Ensuring that testing is relevant, considering product owner preferences, business needs and potential for risk</li> <li>• Ensuring that automated tests are written with the same care and accuracy as production code</li> <li>• Working effectively within high pressure digital production environments</li> <li>• Participating in stand-ups, planning sessions and retrospectives, helping to form solutions and understanding dependencies between tasks</li> </ul>
<b>Leadership</b>	<ul style="list-style-type: none"> <li>• Play a key leadership role in shaping and delivering digital testing strategies and procedures that meets business objectives.</li> <li>• Empowering and directing other members of the team to achieve project success.</li> <li>• Operating independently of line management direction on a day to day basis, manage own work and coordinate with other multi-disciplinary team members; leading and setting direction as necessary to ensure testing strategies can be fulfilled effectively.</li> <li>• Direct Line management responsibility of Junior Test Engineers</li> <li>• Coaching and mentoring of Junior Test Engineers</li> <li>• Demonstrate leadership by providing guidance to staff to support the delivery of objectives. Manage and engage with honesty and integrity, and upholding the reputation of the Agency, Department and Civil Service.</li> <li>• Work in collaboration with other managers across all functions for the good of DVSA and to create a high performing and well-respected Agency.</li> </ul>
<b>Relationships Internal External</b>	<ul style="list-style-type: none"> <li>• Propose, influence, and negotiate technical solutions and testing strategies with senior stakeholders.</li> <li>• Ensure good relations and communications with other service, technical and delivery teams, influencing, sharing knowledge and best practice to enable achievement of common objectives;</li> </ul>

	<ul style="list-style-type: none"> <li>• Liaise with all relevant internal departments and teams to ensure that internal and external customer needs and requirements are met and align to the DVSA five-year strategy and policy outcomes;</li> <li>• Liaise with Corporate Senior Leaders and Product Owners to deliver against tight deadlines, providing advice and challenge where necessary to ensure the operation of the services that DVSA provides is not compromised.</li> </ul>
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**Required Qualifications, Professional Memberships, Experience and Behaviours**

<b>Qualification/ Professional Memberships</b>	
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**Skills and Experience**

<p><b>Essential</b></p> <ul style="list-style-type: none"> <li>• Understanding and / or experience of testing within a software delivery team</li> <li>• Ability to quickly research and learn new tools and techniques (including programming)</li> <li>• Knowledge of use of version control systems such as Git</li> <li>• Excellent written and personal communication skills</li> <li>• Development / scripting skills in common languages such as TypeScript/Javascript, Java, Ruby etc.</li> <li>• Knowledge of automated testing tools and processes such as BDD, cucumber and protractor frameworks</li> <li>• Proven experience of working within project teams, ideally in an Agile environment</li> <li>• Ability to simply and clearly communicate technical subjects in conversation, documentation and presentations with a range of stake holders</li> <li>• Ability to prioritise own time and activities with minimal guidance</li> </ul>
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**Success Profiles – Behaviours**

<b>Delivering at Pace</b>	<b>Changing and Improving</b>
<b>Making Effective Decisions</b>	<b>Managing a Quality Service</b>
	<b>Working Together</b>

Please refer to the attached Civil Service Behaviours dictionary for further information.

<b>Insert criteria from professional framework (where relevant)</b>	Government Digital Service (GDS) Digital Data and Technology (DDaT) Profession – Quality Assurance and Testing Family <a href="https://www.gov.uk/guidance/test-engineer#test-engineer">https://www.gov.uk/guidance/test-engineer#test-engineer</a>
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<b>Any Other Requirements</b>	Potential travel to other DVSA office locations may be required e.g. Bristol, Nottingham, Birmingham
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**Further Information**

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