## Position Description

<table>
<thead>
<tr>
<th>Position Title</th>
<th>Software Test Automation Engineer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functional Team</td>
<td>Software Engineering</td>
</tr>
<tr>
<td>Manager Title</td>
<td>Software Engineering Manager</td>
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<tr>
<td>MoR Title</td>
<td>Executive General Manager – Products</td>
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<tr>
<td><strong>Role Purpose</strong></td>
<td>To ensure stability, availability and reliability of GroundProbe software products through the planning and execution of functionality based user testing. The Software Test Automation Engineer will work with a team to provide software engineering excellence within an iterative and incremental approach supported by agile engineering practices within a SCRUM environment.</td>
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<tr>
<td>Supervises Directly</td>
<td>Nil</td>
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<tr>
<td><strong>Other Key Relationships</strong></td>
<td></td>
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<tr>
<td>External</td>
<td>Customers</td>
</tr>
<tr>
<td>Internal</td>
<td></td>
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<tr>
<td>Software Engineers</td>
<td></td>
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<tr>
<td>Product Managers</td>
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<tr>
<td>System Engineers</td>
<td></td>
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<tr>
<td>Support and Reliability Centre</td>
<td></td>
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<tr>
<td><strong>Key Accountabilities</strong></td>
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</tbody>
</table>
| Work safely, and with regard to the safety of others, including:  
  o Compliance with all OH&S policies and procedures  
  o Actively work to improve safety in the workplace.  
| Work safely, and with regard to the safety of others, including identification and eliminations of hazards in the workplace. Build safety into designs and methods of working;  
| Interact with product management, project management and development team to develop a strong understanding of the project and testing objectives.  
| Design and create test conditions and scripts to address business and technical use cases.  
| Use existing tools and technique to execute test cases and build/script new tools for performing testing / validation function.  
| Execution and analysis automation test results.  
| Participate in troubleshooting and triaging issues to drive towards root cause identification and resolution.  
| Document, track and escalate issues as appropriate, using test management and issues tracking tools.  
| Execution and recording of manual tests for all assigned projects and enhancements.  
| Assets Controlled by        | Nil                               |
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<table>
<thead>
<tr>
<th>this Role</th>
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<tbody>
<tr>
<td>Authority Level</td>
<td>1</td>
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<tr>
<td>Control Elements</td>
<td>• To achieve the key accountabilities in accordance with the company Policies, Procedures, Code of Conduct and Values exercising due diligence in doing so.</td>
</tr>
</tbody>
</table>
| Key Performance Indicators | Primary outputs of the role:  
• Zero incidents and injuries.  
• Quality of advice provided, including ease of use by internal customers. |

Specific performance metrics include but are not limited to –  
• Improved product quality by working with product development engineers to prevent and detect problems and to make the product more testable;  
• Number of defects discovered in the field and not discovered during testing;  
• Total test time per Sprint, per build and per project;  
• Requirements coverage – the percentage of Stakeholder Requirements that have been tested.  
• Identify and protect the confidentiality of *GroundProbe* intellectual property and patents etc; |
### Capabilities

**Key Skills**

- Strong technical documentation / interpretation skills.
- Excellent communication skills.
- Good development / scripting skills in common languages such as C# and Windows PowerShell.
- Exposure to automated user interface testing tools and techniques for Windows applications (WPF and Winforms).
- Experience with RDBMS, including open source varieties, such as PostgreSQL and SQLite.
- Manual Testing experience on desktop and hardware platforms.
- Willingness to learn new technology skills to keep pace with the improvements of the testing process.
- Professional presentation and approach with all personal and business interactions including direct reports, peers and management.
- Self-motivated, creative and proactive, to work successfully in a fast-paced environment working with diverse technologies.

**Agile**

- Agile exposure and understanding, ideally to Scrum
- Ability and desire to work within an Agile/Scrum team
- Commitment to continuous improvement, through ongoing reflection and adaptation

### Qualifications

**Mandatory:**

University Degree or equivalent in Computer Science, Software Engineering, or related technical discipline.

**Desirable:**

Knowledge and/or exposure to the following will be highly desirable:

- Safety / Critical monitoring applications
- Embedded Systems

### Experience

Proven potential or track record of success:

Minimum two (2) years experience in a commercial environment.