

Job Description

Job Title
Software Development Engineer in Test (SDET)
Reporting to
Technology Manager
Direct Reports
None
Job Purpose
<p>ITSO are looking for a test professional with advanced programming skills who can create automation testing tools and frameworks to assist the manual testing process.</p> <p>Reporting into the Technical Manager, you will work as part of the ITSO Technical Team.</p> <p>You should have a passion for designing, development, and testing and the ability to upgrade your technical skills within the constantly changing technology sector.</p> <p>You should have excellent time management and organisational skills as well as strong communication skills.</p>
Key Responsibilities
<ul style="list-style-type: none"> ● Setting up, maintaining, and performing test automation frameworks on multiple application platforms, and building test scenarios and acceptance tests. ● Understand requirements and put programs together quickly. ● Understanding project documents, customer demands, and product objectives to create and execute test cases. ● Provide oversight for the ITSO Specification, security design, enterprise architecture and its continuous improvement. ● Handling technical communications and understanding the customers' systems. ● Analysing and disintegrating software systems and coordinating with other teams to enhance the overall design. ● Researching test tools, methodologies, and trends and upgrading existing practices and processes.
Skills, knowledge and experience - ESSENTIAL
<ul style="list-style-type: none"> ● An ability to comprehend complex problems, and deliver simple solutions ● Proven experience in designing and implementing automation test frameworks from scratch. ● Proven programming skills in Java. ● Ability to read and understand specifications and manufacturer data sheets.

- Program design and documentation skills.
- Experience with consuming API, and integration
- Experience with XML, JSON and third-party libraries, SDKs.
- Experience with Git or other version control systems
- Knowledge of test methodologies and their corresponding tools.
- Excellent verbal and written communication skills.
- Good time management and organisational skills.
- The ability to keep current with the constantly changing technology industry.
- A passion for testing, development, and design.

Skills, knowledge and experience - DESIRABLE

- A degree in Computer Science, Computer Engineering, or a relevant industry experience.
- Familiarity with cryptography and crypto protocols.
- Experience with Contact based smartcards / APDU commands - ISO7816.
- Experience with Contactless smartcard - ISO14443.

Liaison/Contacts

ITSO membership; 3rd party suppliers; suppliers to the industry