**JOB DESCRIPTION**

**Job Title:**  Senior QA Engineer – Automation Test Lead (Six-month Contract)

**Reports to:** QA Manager

**Location:**  Home based, UK

**Company Overview**

ONVU Technologies is a privately held Swiss group, operating out of bases around the globe including UK, US, India, and Turkey. Through annual investment in R&D, talent acquisition and strategic partnerships we go to market via our three business units Oncam, ONVU Retail & ONVU Learning focussed on smart video, IoT and cloud applications for Security, Retail and Education.

We believe in developing Empathy led technology to answer genuine challenges in the vertical markets we address by enabling users to leverage the technology in a way that solves their problems. Whether that is creating business intelligence insights for retail via video, providing a safer environment in an airport or helping teachers create better student outcomes by leveraging IoT devices in the classroom via cloud connectivity for insight and CPD**.**

**Role Overview**

ONVU Technologies is excited to be adding a Senior QA Engineer with Automation Test Lead responsibilities to its growing Engineering team.

The Automation Test Lead is responsible for the design and implementation of our automated test suites across our product portfolio. Historically ONVU Tech has used a combination of manual and automated test suites. The Automation Test Lead will be responsible for ensuring our automation approach is consistent across our products and sustainable as our products develop.

The Automation Test Lead is a key member of the Engineering team working closely with other QA team members with product experience to automate our existing test cases

This role has no line management responsibilities.

**Our Technology**

ONVU Technology create cloud-connected 360° camera products. On the camera device we use an embedded version of Linux or Android running our Golang services. In the cloud we use AWS IoT Core and microservices developed predominately in NodeJS with some Java/C# services.

Quality is very important to ONVU. We test our products extensively with automated regression and smoke tests as part of a regular rolling release cycle. We use tools such as Cucumber, SpecFlow and Selenium to test our web pages. We have specialist tools for testing that our camera firmware behaves as expected in diverse conditions. Quality assurance does not stop when we have released our software, we work with our partners to ensure our products work well with other devices and systems. We actively monitor our releases for security vulnerabilities with industry-standard verification tools.

**Responsibilities**

* Technically lead our automated test strategy, having a strong input in to our test methodology, test practices and tool selection.
* Extend the test framework to include testing multiple browsers
* Advise and assist other QA Engineers in the implementation of automated tests
* Ensure automated tests are executed in the continuous integration system
* Plan and execute the conversion of manual tests to automated
* Apply an understanding of how our products work to design and create test plans for new feature development
* Participate in planning sessions to ensure that the impact of test effort by all of the development team is taken into consideration
* Work with the development team identifying how changes should be tested and potential test scenarios
* Participate in the code review process to understand and improve what has been tested during development. Actively promote the creation of tests during the development process
* Monitor the continuous integration process for regressions
* Communicate the effectiveness of testing and the state of our products by creating test reports
* Define acceptance criteria and test scenarios using ATDD/BDD-style syntax
* Value user feedback and incorporate it into our QA processes
* Be able to produce clear and well written bug reports
* Provide estimation of timescales for project work when required
* Continually work towards test automation
* Run and maintain security and vulnerability tests
* Assist QA Manager in maintaining resources required to perform tests
* Ensure our processes and procedures meet the Quality Standards
* You will be required to carry out additional duties or responsibilities, which fall reasonably within the remit of the role.

**Essential Requirements**

* At least 3 years' experience maintaining an automated test suite for a web application of equivalent project
* BSc. /BA. degree in Engineering, Science, Mathematics or technical certification and/or experience
* Knowledge in QA best practices and processes
* Experience of working in agile development teams
* ATDD, BDD test practices
* Ability to conduct grey-box testing
* Browser-based test tools such as Selenium, WebDriver or Selenoid
* Knowledge of integration and API testing with SOAP, REST and ONVIF
* Knowledge of protocols such as HTTP, MQTT, SSL
* Performance and load test tools such as JMeter
* Experience in a scripting language, such as Python to develop tests
* Ability to edit and modify JSON test data

**Desirable Requirements**

* Experience in automated tests of video streams
* Experience in using security and vulnerability test tools
* Experience in testing camera products

**Skills and Understanding**

* Ability, confidence, and personality to provide technical leadership within a team.
* Effective documentation, communication, and teamwork skills
* Clear speaking, listening and written communication skills
* Ability to adapt to change in a fast-paced environment
* Ability to negotiate and influence
* Ability to problem solve
* Ability to meet tight deadlines
* Ability to effectively deal with conflict
* Ability to multi-task and stay organized
* High attention to detail
* Ability to stay calm under pressure
* Ability to use own initiative
* Competent in Atlassian and Microsoft 365 environment and tools