

CASE STUDIES

OFFSHORE AUTOMATION TESTING – OTT MEDIA APP



Application Overview

- Country's largest growing media network.
- Video on Demand platform, web and native mobile app (Android & iOS).
- With over 28000 hours of exciting content for audiences with varying choices and preferences.

Scope

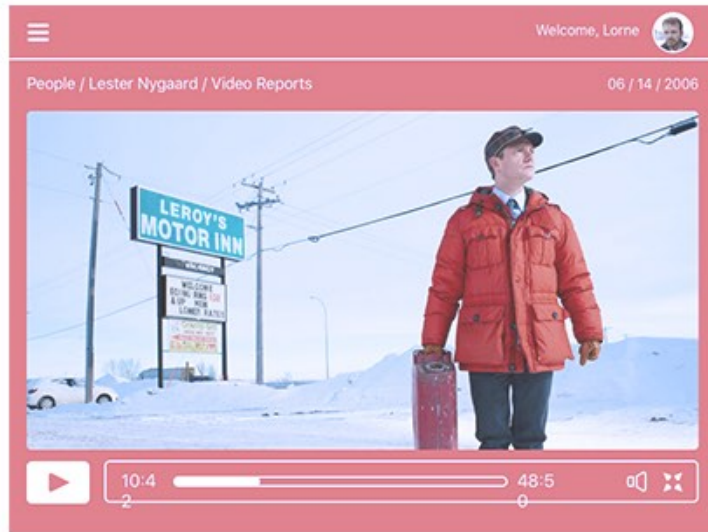
- To automate all the video related playback functionalities.
- To automate all the sections of the native app and verify the length of the video being played.
- To verify if all the Ad's related contents are being played back.
- To ensure scripts works on all the 3 platforms, web, Android & iOS.
- Integrate with build system to automatically trigger the executions.

Tools Used



CASE STUDIES

OFFSHORE AUTOMATION TESTING – OTT MEDIA APP



Challenges

- ❑ Capturing add validations (Pre-Roll, Mid-Roll, Post-Roll).
- ❑ Automation of video player controls (play, pause, scrub, resume, etc.) with open source tools sets.
- ❑ Video playback on different platform and OS.

Approach

- ❑ Automated validation of Inventory versus Impressions during video playback..
- ❑ Discuss with various stakeholders (multi-Vendor) and develop Automation Framework that suites for both Web and Mobile.

- ❑ Develop Test Scripts using Selenium and Appium for media streaming functionalities, that includes “play”, “pause” and “scrub” on media player.
- ❑ Play the video’s and capture the video time length.
- ❑ Wait for the AD’s to complete before continuing the executions.
- ❑ Execute scripts on multiple devices and Setup grids for simultaneous executions.
- ❑ Trigger automatic notifications for the stakeholders on error.
- ❑ On completion of the test execution, automatically send the execution summary report.

Results

- ❑ Build verification suite was completely automated, thus reducing the 60% of manual effort.
- ❑ Execute daily production validation suite to ensure there are no production related issues.
- ❑ Achieve compatibility testing on various devices &OS with single script, reducing overall test execution efforts and finding the application behaviors.