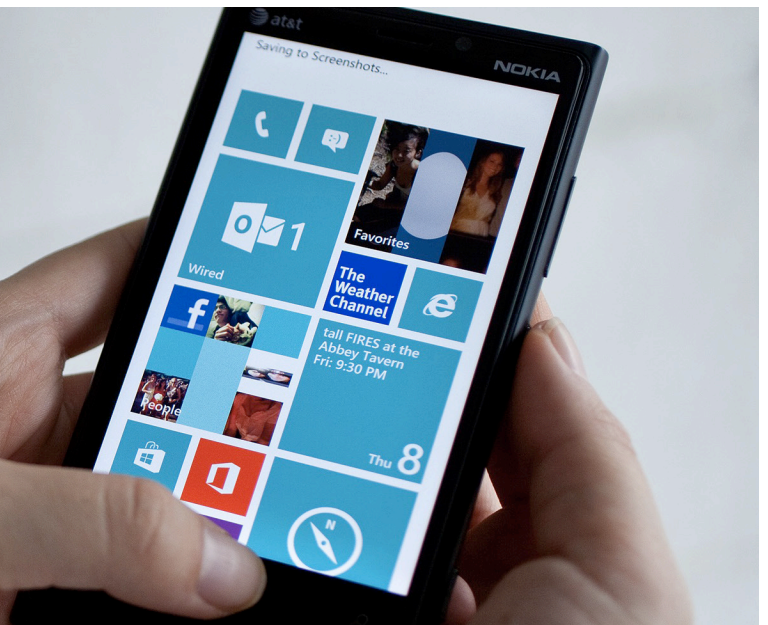




THREESIXTY LOGICA TESTING SERVICES



MOBILE AUTOMATION

CLIENT

Our Client is a Romania based start-up technology company that focuses on building the next generation of social media applications with exciting new features. They are a growing team of vibrant and creative individuals who are driven by their desire to build world class applications in Romania by using latest technologies and are always ahead of the curve with the newest trends. They offer chat, group chat, free audio and video calling, conference calling, sharing files and much more on Windows, Mac, Android and the iPhone. Client combines the stability of an established company with the fast-paced, nimble culture of a startup.

PROBLEM STATEMENT / CHALLENGES FACED

- Identify common automation tool for both android and iOS application.
- Create test scripts for chatting, calling scenarios with multiple users.
- Execute test scenario in multiple devices.
- Nightly build suite execution for both android and iOS application using Jenkins master and slave machine.
- Execute iOS suite without project source code.

PROCEEDING & SOLUTIONS

- Setup and automated scenario for both type application with single tool.
- Automated chatting, calling scenario for multiple user and executed on multiple devices.
- Setup Jenkins master (Linux machine) and slave (MAC VM) for nightly build.
- Using some device special command executed iOS application on device and simulator.
- Used shell scripting to invoke test on multiple devices at one time.

- Added cucumber Jenkins plug-in for execution report in Jenkins.

APPLICATIONS & REQUIREMENTS

- Application is native type for both iOS and android application, for e.g. Skype.
- Client wanted us to automate test case for both types of applications (iOS & Android) for Regression Testing.
- Client was also keen to integrate automation suite with Jenkins server for nightly build.

TOOLS AND TECHNOLOGIES

- Tool identified: Calabash
- CI tool: Jenkins
- Programming Language: Ruby
- Framework: Cucumber BDD Framework

ADVANTAGES OF USING CALABASH

- Successfully automated iOS and android application.
- BDD framework supported, test scenarios in features file (plain text).
- Supports real devices, emulator and simulator.
- Executes feature files on multiple devices.
- Source code not required to automate application.
- Easily identifies element details.
- Easy to setup.

BENEFITS TO OUR CLIENT

- Successfully performed Regression Testing before application going live.
- Reduced time, increased productivity and reliability.
- Time and cost saving activity performed by offshore team.
- Very clear execution report wherein the issue was identified with ease.
- This was the first experience of our client when any offshore team was involved in such an important event and their trust and partnership strengthened the relationship with us.

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