

Anyone Can Do QA Automation

A starting point for Manual QAs, Devs, and BAs

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bit.ly/youtube-tl

Tonight's Slidedeck

<http://bit.ly/start-qa-automation>

Goals for Tonight

- Get the right mindset to start automated testing
- Introduce you to a lot of tools

The Problem

- Low Software Quality
- Testing the same things over and over
- Time Constraints
- Fear

My Story

Why I like automated testing

Getting Started

PEAK

SECRETS FROM
THE NEW SCIENCE
OF EXPERTISE

Anders Ericsson
and Robert Pool

Key Points of Starting

- Look for progress, now perfection
- Getting started takes time
- Get a Mentor and get feedback

Constraints for Tools

- Free Tools / Possibly Open Source Component to Them
- No code or JavaScript Based Solutions
- Present a few different types of solutions

Code Based Solutions

Test Cafe

Cypress

No Code - Low Code Solutions

Robot Framework

Katalon Recorder

Cognizant Intelligent Test Scripter

SikuliX

cypress-cucumber-preprocessor

Robot Framework

<https://robotframework.org/>

Robot Framework Characteristics

- Used for Acceptance Testing and RPA
- Uses BDD syntax for tests
- Has a ton of libraries

Katalon Recorder

<https://www.katalon.com/resources-center/blog/katalon-automation-recorder/>

Katalon Recorder Characteristics

- Chrome/Firefox Extension
- Hard to run in CI/CD pipeline
- Limited Functionality - APIs aren't powerful

Cognizant Intelligent Test Scripter

<https://cognizantqahub.github.io/Cognizant-Intelligent-Test-Scripter-Helpdoc/index.html>

Cognizant Intelligent Test Scripter Characteristics

- Web and App Testing
- Accessibility Testing
- Layout Testing
- Selenium Grid Support

SikuliX

<http://sikulix.com>

SikuliX Characteristics

- What You See Is What You Script 100% Visual
- Can be used for RPA
- Automates other tasks you don't have the tools to automate

cypress-cucumber-preprocessor

<https://github.com/TheBrainFamily/cypress-cucumber-preprocessor>

cypress-cucumber-preprocessor Characteristics

- Use Gherkin syntax in Cypress
- Yes, Its really cool

Code Solutions

Cypress

<https://cypress.io>

Cypress Characteristics

- Amazing Feedback and Timeline
- Simple test setup - write first test in 5 min
- My Favorite Tool
- Only runs against Chrome

Test Cafe

<https://www.devexpress.com/products/testcafestudio/>

Test Cafe Characteristics

- Alternative to Cypress
- Runs against Every browser
- Has a paid component for QAs

Appium

<http://appium.io/docs/en/about-appium/getting-started/>

Appium Characteristics

- Mobile testing and Windows App Testing
- Uses Selenium

Where to go from here

So what is next?

More Resources

Tonight's Slidedeck - <http://bit.ly/start-qa-automation>

Open Source Frameworks for Automation -

https://www.reddit.com/r/softwaretesting/comments/80lqsy/10_best_open_source_test_automation_frameworks/

More Open Source Testing Tools -

<https://www.softwaretestinghelp.com/open-source-testing-tools/>

Paid Test Automation Tools -

<https://medium.com/@briananderson2209/best-automation-testing-tools-for-2018-top-10-reviews-8a4a19f664d2>

Robot Framework Library List - <https://github.com/fkromer/awesome-robotframework>

Looking for a Job in Dallas? - bit.ly/get-zenleap