



DUSK & PUPPETEER

AUTOMATED UI

BROWSER TESTING



MY NAME IS KELSEY



Goal: 90% Remote



WHILE YOU DRINK THE BEERS

Magic Trees



Dusk



Boxes



Puppeteer



Questions?



Quotations are commonly
printed as a means of inspiration
and to invoke philosophical
thoughts from the reader.

✕ Thanks [Unsplash](#) & [SlidesCarnival](#)

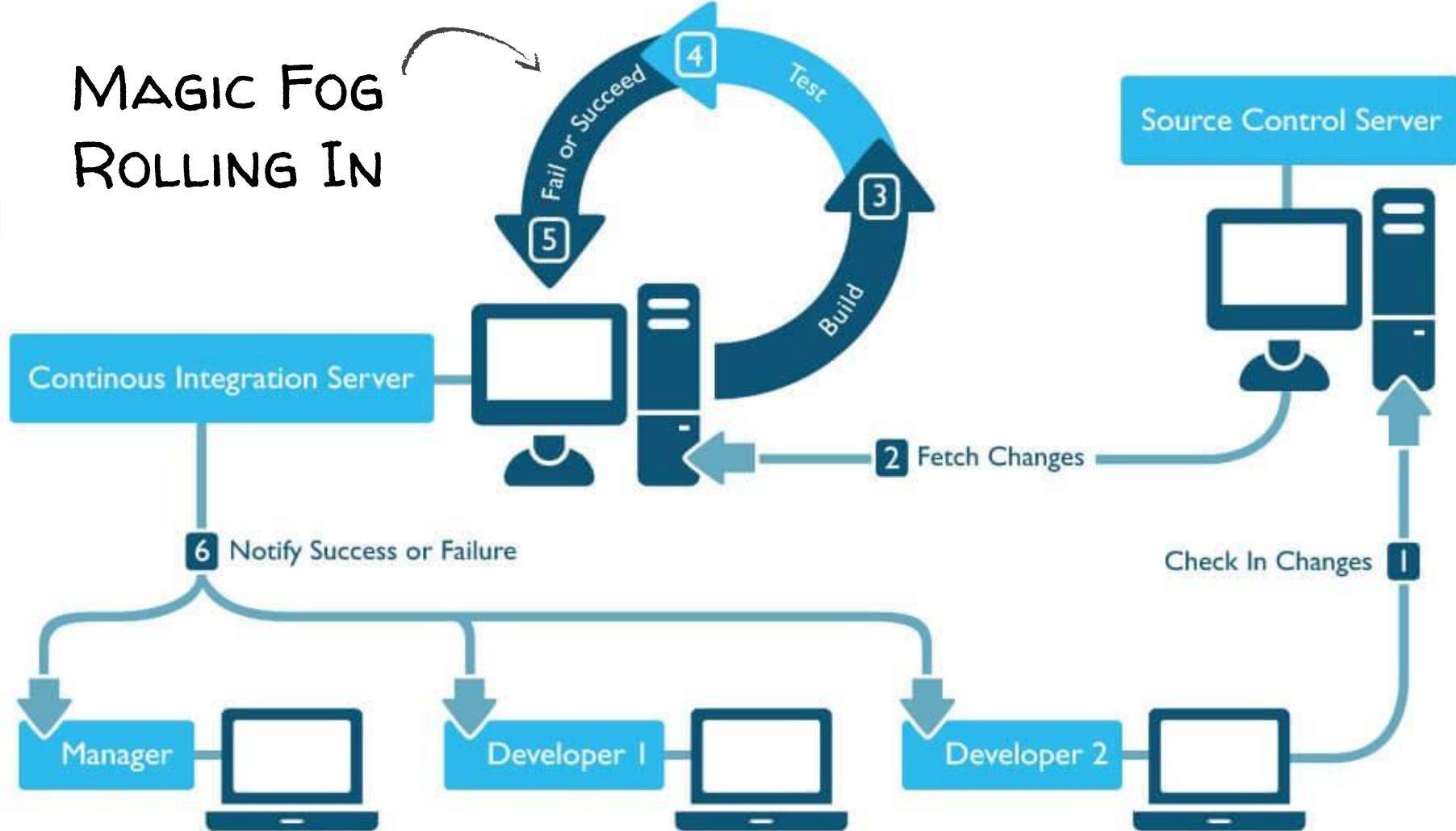


MAGIC TREES

Or what you might call Continuous Integration



MAGIC FOG ROLLING IN





- TRUST: between developers & the rest of the business
- SYSTEMIC testing, not just manual and compartmentalized
- AUTOMATED: Let's let machines take screenshots and click around, the same way, every time... 100,000 of times

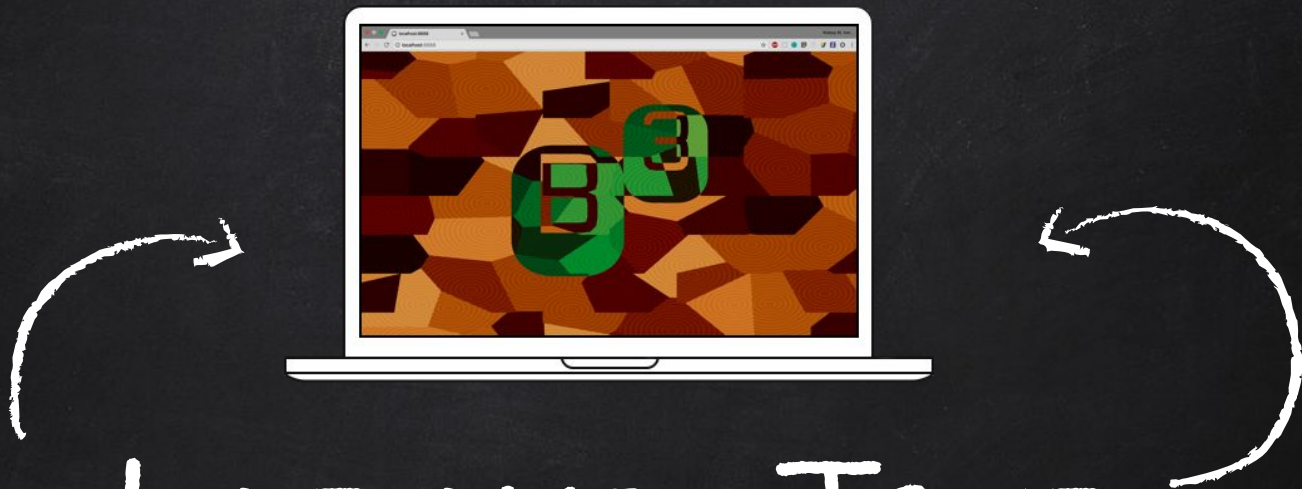




DUSK

A user friendly browser testing library for Laravel





LARAVEL TOUR

With Travis CI, DUSK, and PHP UNIT



DUSK BENIES & CHALLENGES

Pros

- Built into the framework of Laravel
 - Componitized

Cons

- Speed of browser test is set too fast for demo
 - Componitized
 - Not as customizable as puppeteer
- Output wasn't easy to organize(for me)
- Not very much outside documentation



PICK YOUR COLOR OF BOX

Regression Testing with Browser Tests

[www.seleniumhq.org/docs/2011/04/working-with-css-styles.html](#)



WRITING TESTS AS IF YOUR SOFTWARE
IS A GREY BOX?

SO MANY STRATEGIES

Include the test cases that have
FREQUENTLY yielded bugs

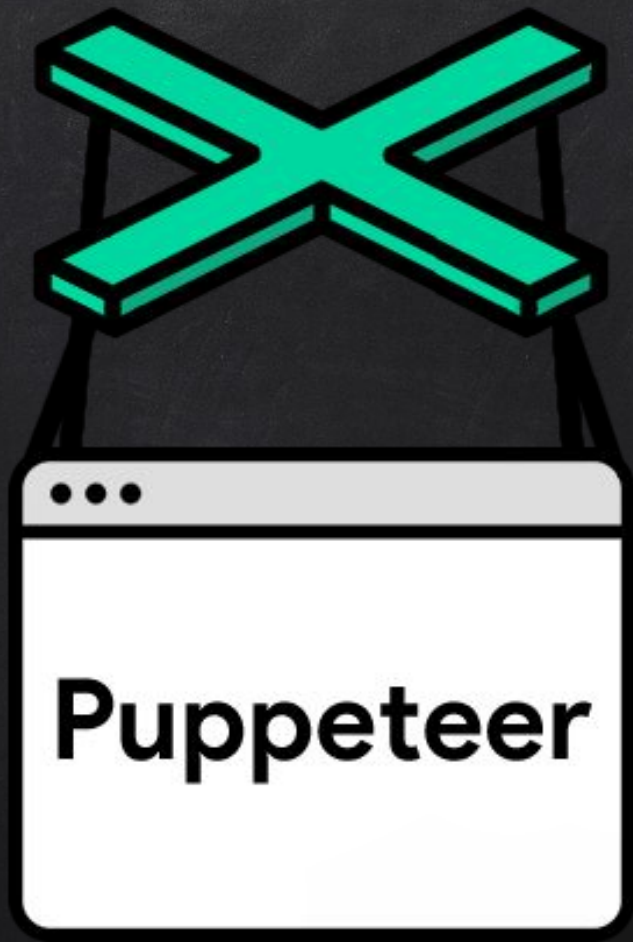
Include the test cases that verify
CORE FEATURES of the
application

Include the test cases for
functionalities that have undergone
RECENT CHANGES



PUPPETEER!!

Just how powerful is it?

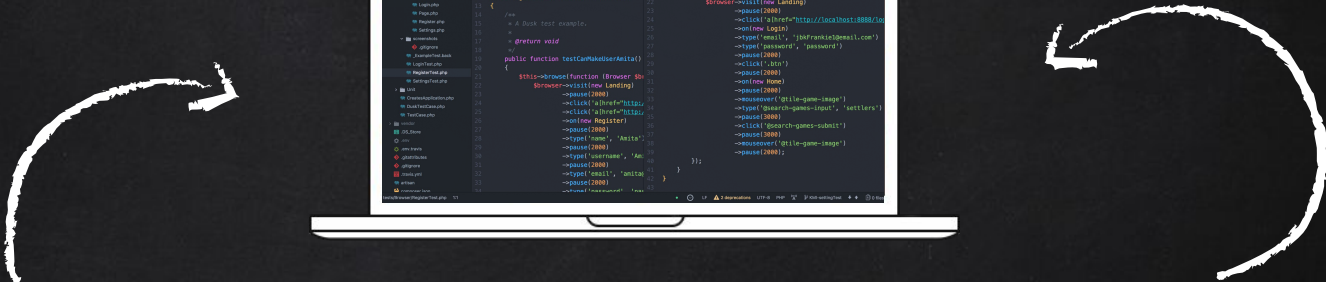


WHY I LOVE IT

EASY TO GET
UP AND
RUNNING

CHROME
DEV TOOLS
TEAM
DEVELOPED IT

HEADLESS OR
NON-HEADLESS



PUPPETEER HOW TO!

www.puppeteer.fun



- Take screenshots of websites
- Create PDF files from web pages
- Power web spiders that fill in forms automatically
- Check for buttons on all devices?
- Check designs to the px?

THINK OF THE POSSIBILITIES!





NEGATIVES?

Only Chrome

UI test are flakey,
so you can get a lot
of false negatives



COMBINE CONTINUOUS INTEGRATION

+

A WELL THOUGHT OUT TESTING STRATEGY

+

PUPPETEER



WE COULD
ALL BE
HERE



THANKS!

Any questions?

Please reach out any time!

IVERUNAMOK on most social media

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