

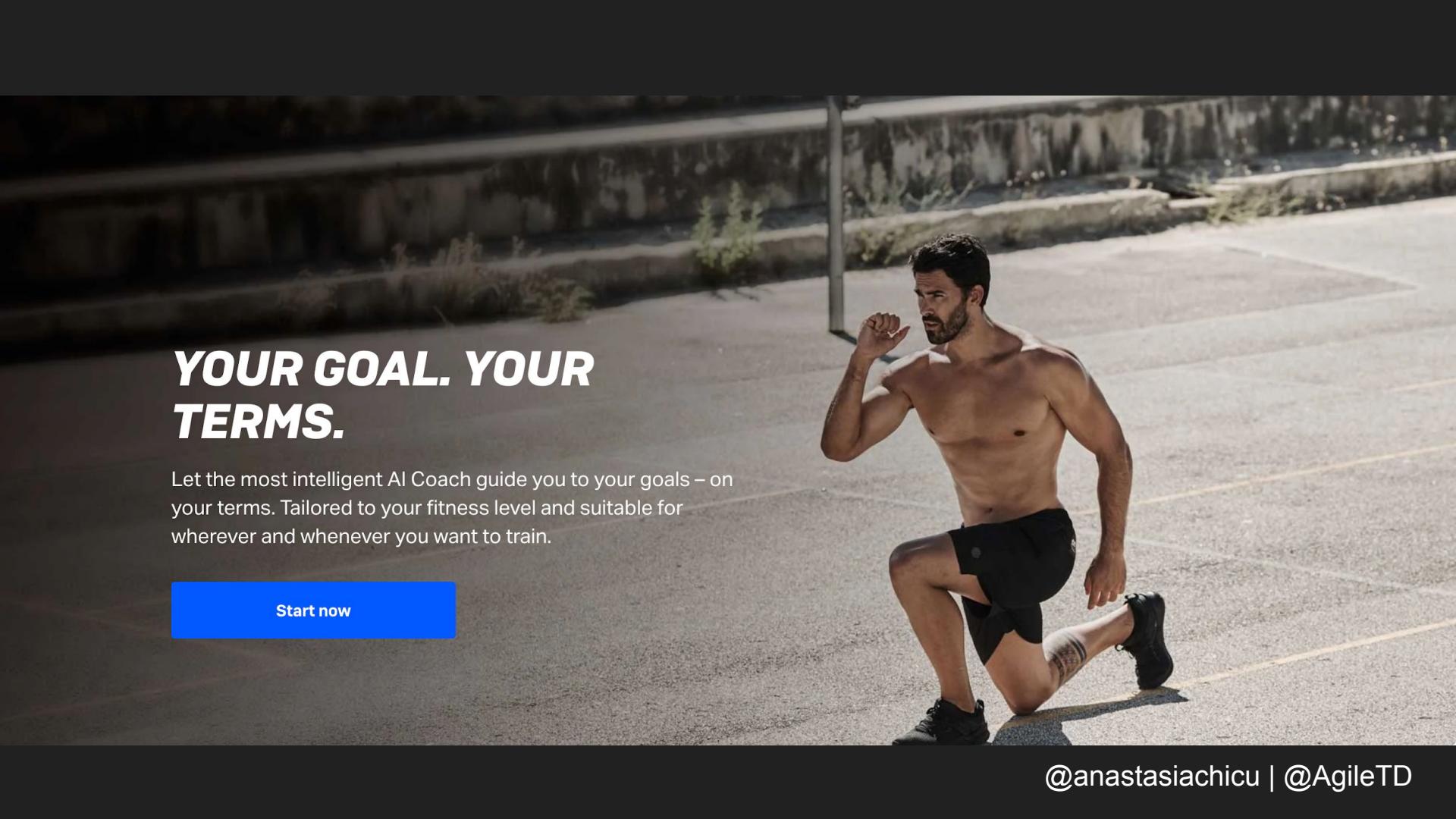


@anastasiachicu | @AgileTD



How to FAIL at automation

Anastasia Chicu

A shirtless man with a beard and short dark hair is shown from the waist up, running towards the right on a paved path. He is wearing black shorts and black running shoes. The background shows a concrete wall and some low-lying plants under a clear sky.

YOUR GOAL. YOUR TERMS.

Let the most intelligent AI Coach guide you to your goals – on your terms. Tailored to your fitness level and suitable for wherever and whenever you want to train.

Start now

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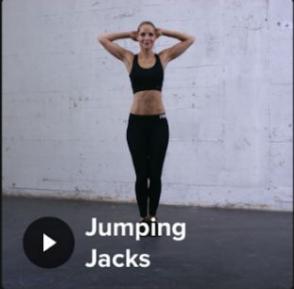
This is the start of the
training flow



< **1/5 SELENE** +

90 Punkte

Videoanleitung ^

Jumping Jacks Crunches

Volumen 1/5

Equipment Kein Equipment

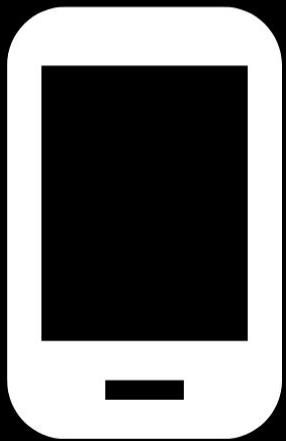
Übersicht ^

Runde 1/1



Starten

End to End tests



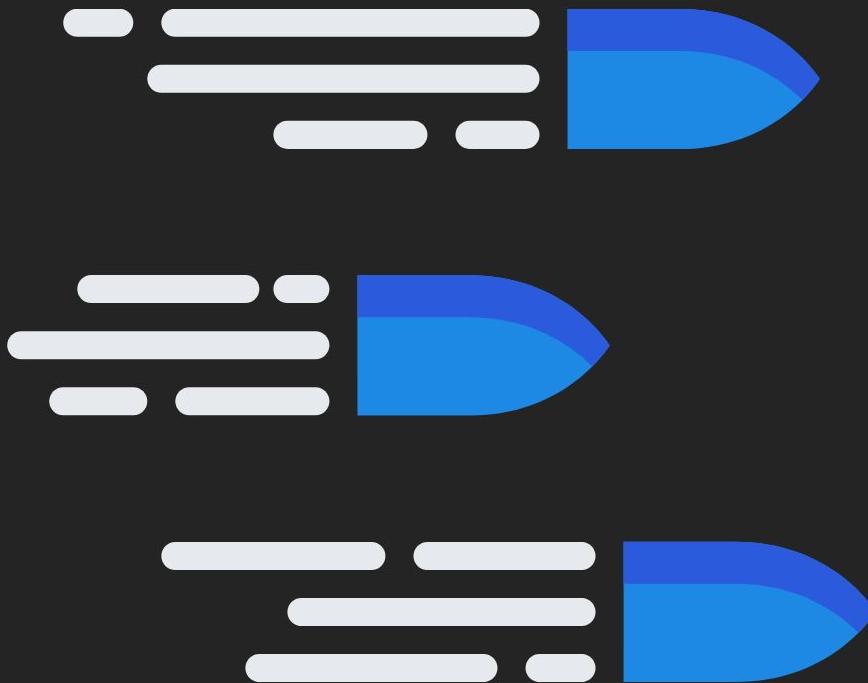
Real devices



User
perspective



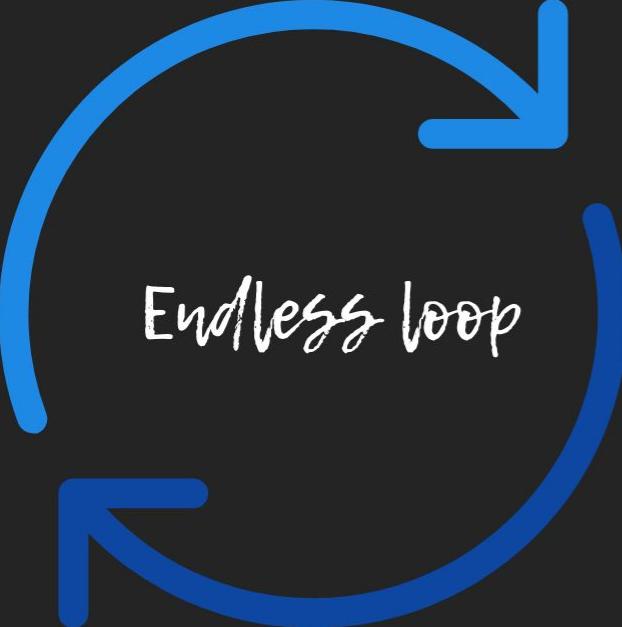
Real backend
(no mocks)



Not a silver bullet ✗

Mistake 1:

**Ask all stakeholders for the
business cases to be automated
and define the scope of the project
by popular demand**



Endless loop

- the user should be able to purchase the training subscription
- the user should be able to buy the nutrition subscription
- the user should be able to purchase the mind subscription
- the user should be able to upgrade, pause, access intro pricing
- the user should be able to log in with Facebook, apple, Google
- the user should be able to register with an email
- the user should be able to start a bodyweight training
- the user should be able to start a weight training
- the user should be able to start a running training
- the user should be able to start a free signature workout
- the user should be able to start a free exercise
- the user should be able to find contacts in the community
- the user should be able to follow their contacts in the community
- the user should be able to browse mind content
- the user should be able to listen to free mind content
- the user should be able to distinguish between paid and free mind content
- the user should see to a buying page after tapping on mind content
- ...



Photo by [James Pond](#) on [Unsplash](#)

Mistake 2:

**Decide on the technology stack
and frameworks based on your
devs' preference**

Opinions are like nipples, everybody has one. Some have firm points, others are barely discernible through layers, (...) and some are displayed at every opportunity .

-David Thorne



it's not only about
the tech

Log In



Sign in with Facebook



Sign in with Google



Sign in with Apple

Email Address

Password

Log in with Email

Why bother with a
POC?

- feasibility
- debuggability
- possible flakiness
- maintainability

```
package pageObjects;

public interface LoginPage {
    void login(String email);
}
```

```
public class LoginPageAndroid implements LoginPage
{@AndroidFindBy(id = "app_tour_login_button")
private MobileElement loginButton;
...
public LoginPageAndroid(AppiumDriver driver) {
    PageFactory.initElements(new AppiumFieldDecorator(driver), this);
}
public void login(String loginEmail) { . . . }
```

```
@Test
```

```
public void startWorkout() {  
    loginPage.login(emails.get(newUser));  
    coachPage.selectDay();  
    Assert.assertTrue(trainingFlowPage.trainingElementsPresent());  
    trainingFlowPage.selectTraining();  
    Assert.assertTrue(trainingFlowPage.trainingCanStart());  
}
```

Mistake 3:

**Run your tests on the devices you
have available**

In-house vs Device Farm

Run	Test results	Test Type
!  freeletics-staging...	 ! 5  ✓ 10	Appium Java JUnit
!  freeletics-staging...	 ! 1  ✓ 10	Appium Java JUnit
!  freeletics-staging...	 ! 1  ✓ 2	Appium Java JUnit
!  freeletics-staging...	 ! 1  ✓ 1	Appium Java JUnit
!  freeletics-staging...	 ! 1  ✓ 2	Appium Java JUnit
!  freeletics-staging...	 ! 1  ✓ 2	Appium Java JUnit
!  freeletics-staging...	 ! 1  ✓ 1	Appium Java JUnit
!  RegressionTest	 ! 2  ✓ 1	Appium Java JUnit
✓  RegressionTest	 ✓ 3	Appium Java JUnit

Run	Test results	Test Type
RegressionTest	<div><div style="width: 100%; background-color: #2e7131; height: 15px;"></div><div style="width: 60%; background-color: #2e7131; height: 15px; float: right; margin-right: -15px;"></div></div> 6	Appium Java JUnit
RegressionTest	<div><div style="width: 50%; background-color: #d9534f; height: 15px;"></div><div style="width: 50%; background-color: #2e7131; height: 15px; float: right; margin-right: -15px;"></div></div> 1 2	Appium Java JUnit
RegressionTest	<div><div style="width: 100%; background-color: #2e7131; height: 15px;"></div><div style="width: 30%; background-color: #2e7131; height: 15px; float: right; margin-right: -15px;"></div></div> 3	Appium Java JUnit
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Filter

History Collections APIs

+ New Collection

appium_new_user_create ★ 11 requests

- POST** Register user
- POST** Login user
- PATCH** Update the athlete profile data
- POST** Create Subscription
- GET** Recommended_TP
- POST** Creates unstартed personalized plan
- GET** Settings
- PATCH** Settings
- POST** Plan_Segments
- GET** Get_segment
- GET** Get week

> User for appium after purchase ... ★ 15 requests

> Audio Library 4 requests

POST Register user X + ⚙

No Environment Examples 0 BUILD

Register user

POST {{host}}/user/v1/auth/password/register

Send Save

Params Response

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description	...	



Hit Send to get a response

Bootcamp Build Browse

Find and Replace

Console

Bootcamp

Build

Browse



Mistake 4:

Avoid bothering the devs with
setup and config



config.yml



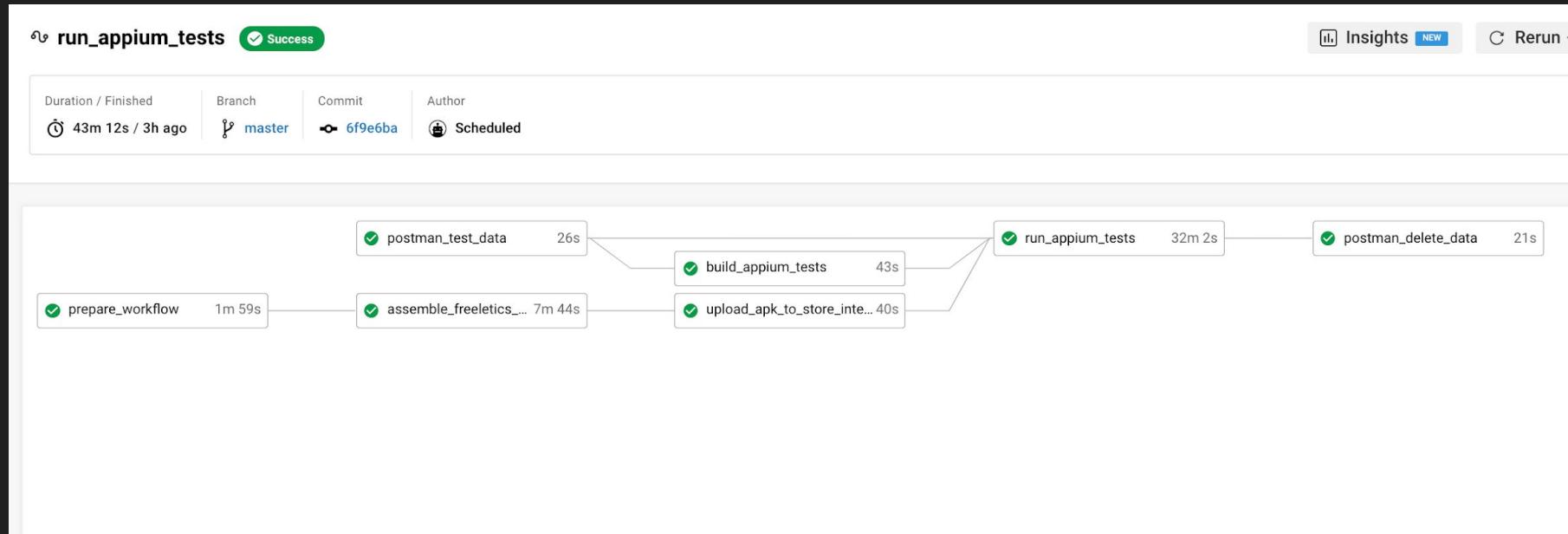
run_appium_tests.rb



AWS DeviceFarm
API



Running the tests in CI



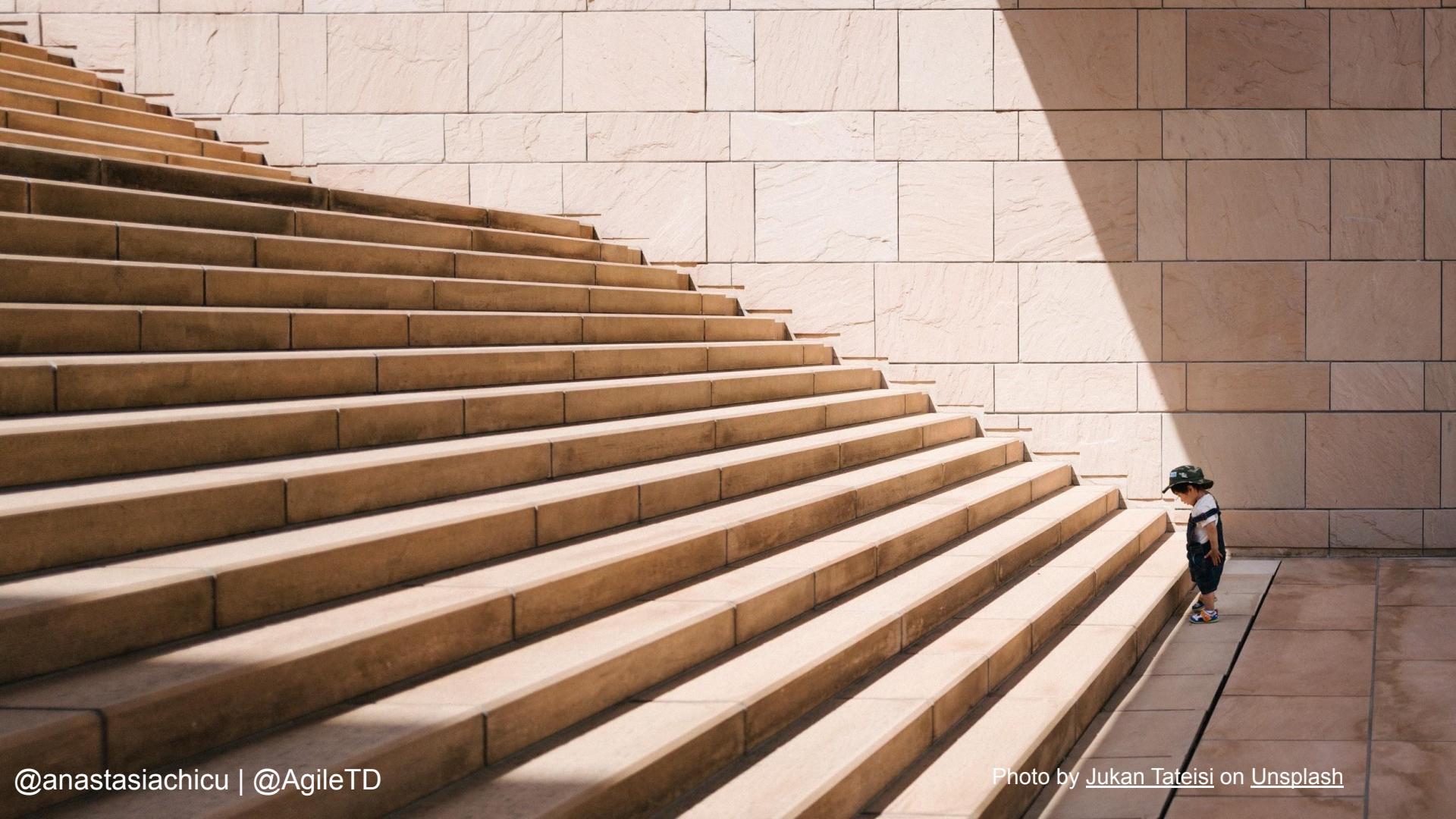
Mistake 5:

**Make sure you're the only one who
maintains the tests and checks the
results**



Fixing it

KT sessions
CR from devs
Slack channels



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Photo by [Jukan Tateisi](#) on [Unsplash](#)

Learnings

Learnings

- Define the scope of the project based on data
- Decide on the tech stack based on goals and attributes
- Treat it as a project. Think about it in iterations
- Use a maintained device farm for the first iteration
- Involve the developers from the beginning. Build a project team

Questions?