



TECHNOLOGY FOR THE FUTURE OF MEDIA

ns

Lists 18



Reset

10,234 accounts with 77,430 videos.

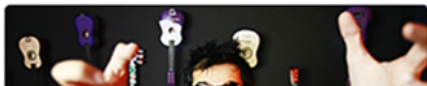
 Search by creator or content keyword

Multiple tags



MysteryGuitarMan YouTube

LATEST 3 VIDEOS



ACCOUNT STATS & DEMOGRAPHICS

2,817,785
FOLLOWERS

18-24
AGE RANGE

CREATOR



Joe Pen



\$ whoami

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HE APPLIED THESE SIMPLE
STEPS AND RSPEC SUITE
PERFORMANCE IMPROVED
BY 51% [SEE HOW]

Agenda

1. How to test
2. Tweaking suite
3. Statistics
4. Summary

Ask yourself very important question

How do I want to test it?



And test it

- Unit tests
- Feature/functional tests
- Integration tests
- ?

There is no silver bullet

What worked
for me?

Test in isolation

Do not test the same
code twice (or more)

```
# controller
```

```
def create
  service = UserCreate.new(user_params)
  if service.call
    render head: :ok
  else
    render status: 422
  end
end
```

```
# controller spec
```

```
expect { post :create }.to change(User, :count).by(1)
```

```
# service spec
```

```
expect { UserCreate.new(user_params).call }.to change(User, :count).by(1)
```

Do not test
the framework

```
# service

def call
  # Business logic
  Model.destroy_all(id: ids_to_remove)
end

# spec
describe '#call' do
  it { expect { subject }.to change { Model.count }.from(3).to(0) }
end
```

Improve architecture

Optimize factories
make good use of
``build_stubbed``

Stub externals

redis, rabbitmq, kafka

Stub HTTP calls

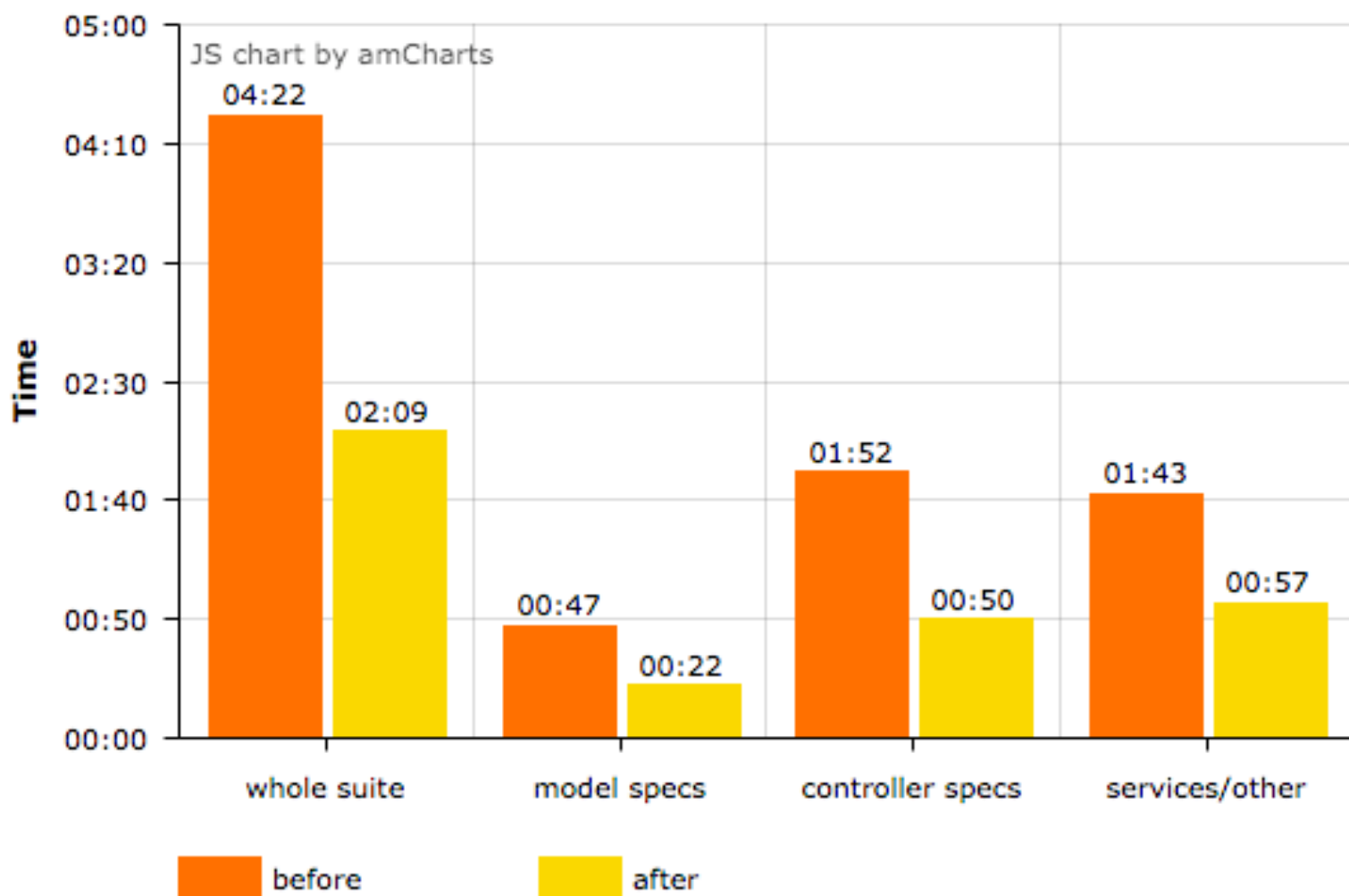
webmock, vcr

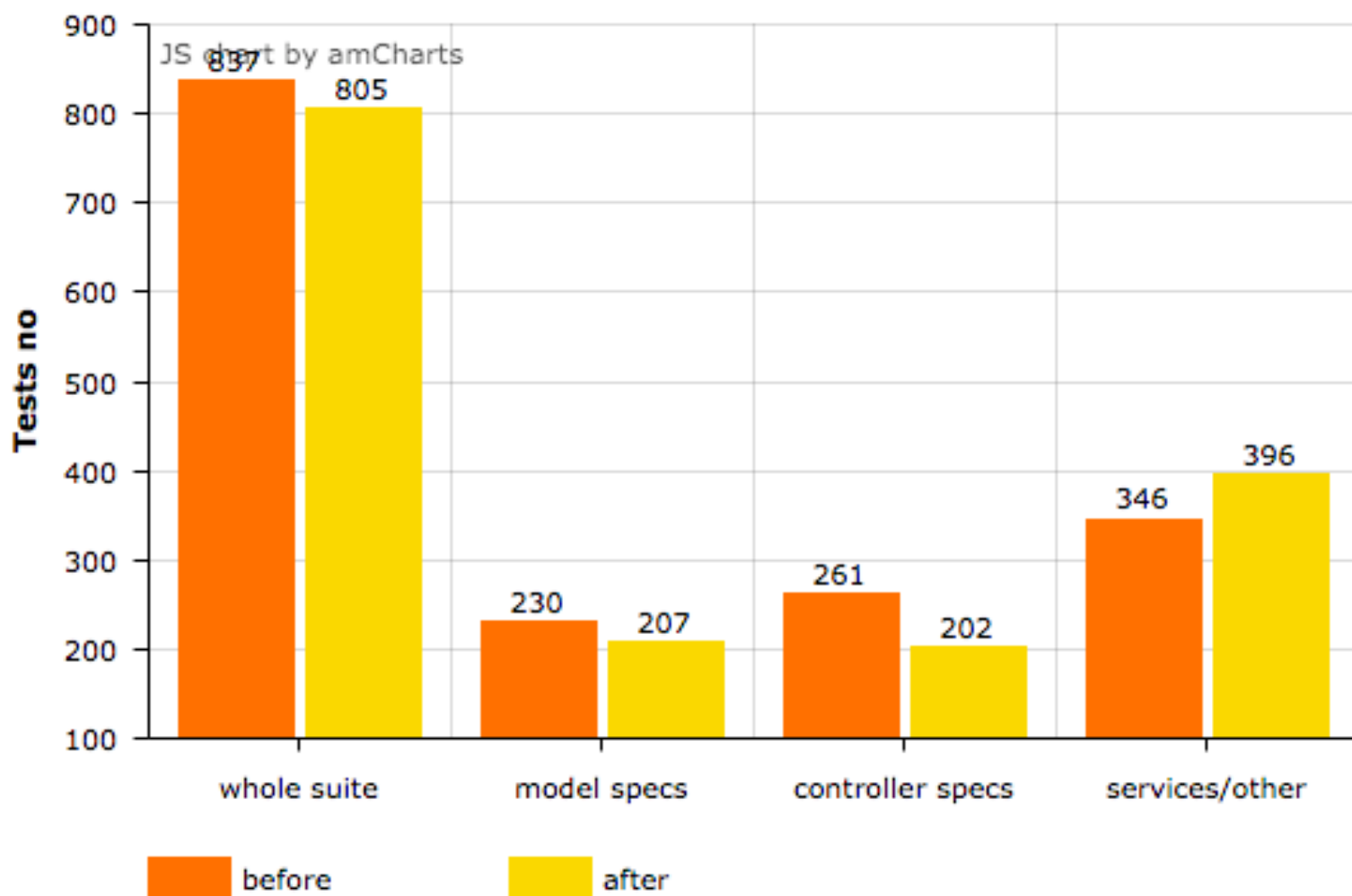
don't store secrets!

Some numbers

+597 -841 LOC

PR: <https://github.com/JOIN PALADIN TO SEE/pull/X>





Mateusz

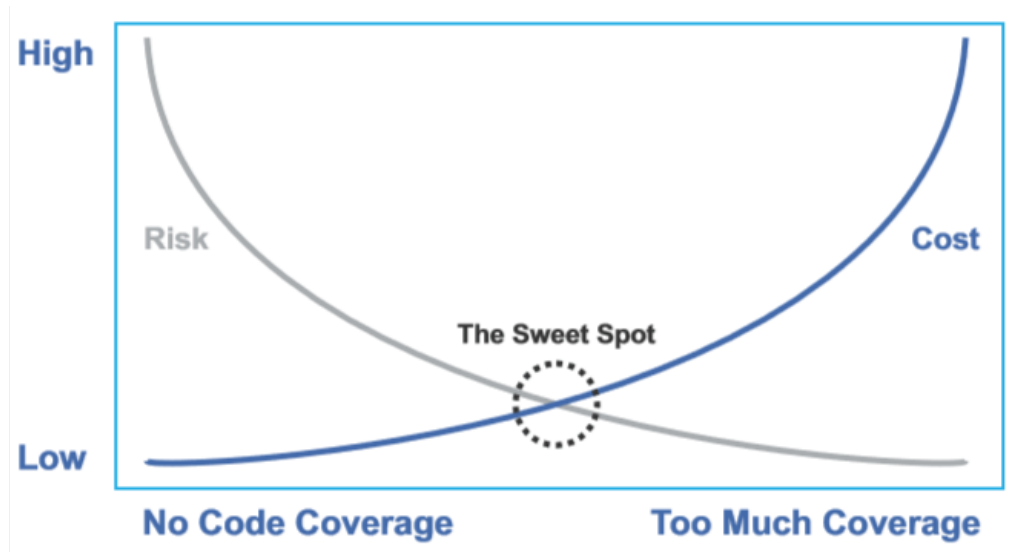
2:34 PM

51.54% o tyle szybciej testy się wykonują u mnie

Summary

Tests are necessary

Business value



Business value

number of specs vs bugs amount

Measure quality
speed/amount ratio

When it's not enough
parallel tests (knapsack)
split application

Wrapping up

- test in isolation (tweak architecture if necessary!)
- mock external APIs
- don't mock class you're testing

Not only RSpec

applies to every other testing tool

Q?

Cheers!