# Pája Procházka

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@hello\_paja



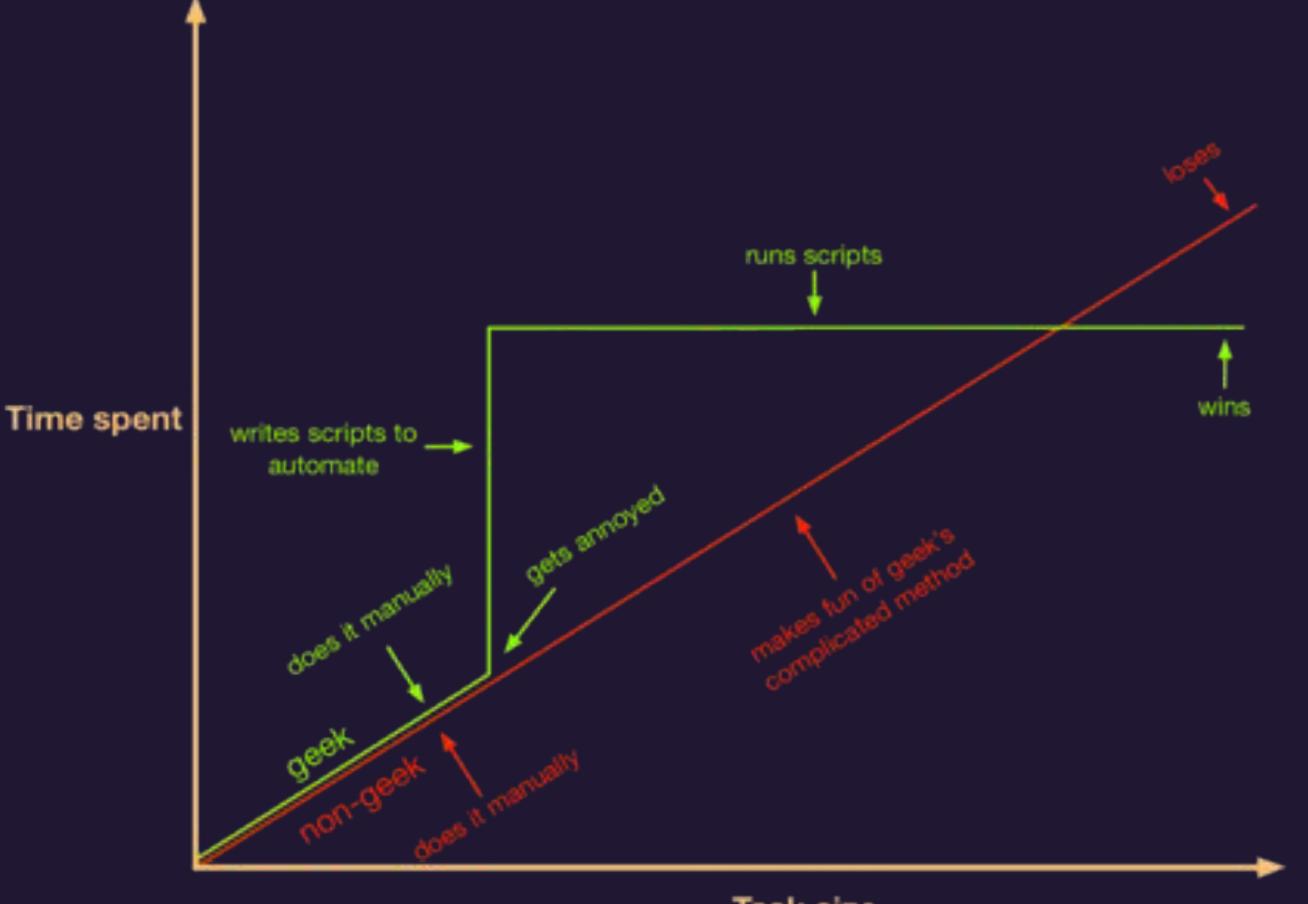


### Practices of CI & CD\*

- → Automate deployment
- → Every commit should build on an integration machine
- → Make it easy for anyone to get the latest build
- → Everyone can see what's happening

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<sup>\*</sup> Martin Fowler, Continuous Integration, website



Task size

### Tasks we do repetitively:

- → Write code 🜚
- → Compile code
- → Add badge to app icon
- → Distribute build to testers
- → Share "What's new" with team
- → Create Github releases
- → more...







### What is Fastlane?

### Fastlane tools

























snapshot gym Dem















- → builds and packages iOS and macOS apps
- uses xcodebuild and xcpretty under the hood



- → makes it easier to manage your app on TestFlight
- → uploads & distributes builds
- → manage testers (add/remove/read)

### ... many more tools for:

- → testing (scan, xctool)
- → linting (swiftlint)
- → generating documentation (jazzy, appledoc)
- → distribution (crashlytics, hockey)
- → notifications (slack, hipchat, mailgun)
- → source code management (git\_commit)
- project management (increment\_build\_number)

# Plugin system

# CHANGELOG plugin

keepachangelog.com

### iOS Builds > 1.1.2 (33).

Test Information Testers Build Details

Internal Testing Ready to test Expires in 44 days

### TestFlight Beta Information

### What to Test

### Added:

- \* REV-958: Add Address/View as header in market table/view
- \* REV-969: Include acknowledgements in Settings bundle (Only in Release builds)

### Fixed:

- \* REV-960: Homes in the market show map unless Google Street View is available
- \* REV-959: Fix loan wizard completion alert appearance
- \* REV-953: Cigarette view label alignment
- \* REV-961: HomeTab does not layout properly when removing notification
- \* DPV-071: Incorrect formattion of error massane when market not available

### Fixea:

- REV-957: Scenario calculator slider label missing "år"
- REV-1069: Loan title should update when details update

### Build 33 - 2016-10-06

### Added:

https://github.com/organization/repo/compare/b32...b33

- . REV-958: Add AddressView as header in market tableView
- REV-969: Include acknowledgements in Settings bundle (Only in Release builds)

### Fixed:

- . REV-960: Homes in the market show map unless Google Street View is available
- REV-959: Fix loan wizard completion alert appearance
- · REV-953: Cigarette view label alignment
- REV-961: HomeTab does not layout properly when removing notification
- REV-971: Incorrect formatting of error message when market not available

### Changed:

REV-963: Change navigation bar from "Luk" → "Fortryd" when editting loan

### 9 Build 32 - 2016-09-27

SundayOnwer 1.1.1 RELEASE BUILD 34

### Fixed:

- Market tab is refreshed when changing property
- Remove call support button from scenario details
- Onboarding layout on iPhone 6S PLUS

### Changed:

· Map pin icon

# Getting started

- \$ sudo gem install fastlane --verbose
- \$ cd [your\_project\_folder]
- \$ fastlane init

```
lane :beta do
    # 1. badge app icon with build number
    badge(shield: "#{version_number}-#{build_number}-orange")
    # 2. compile
    gym
    # 3. send to TestFlight
    pilot
    # 4. notify team
    slack(message: "New build available on TestFlight 49")
end
```

# DEMO



## Build server

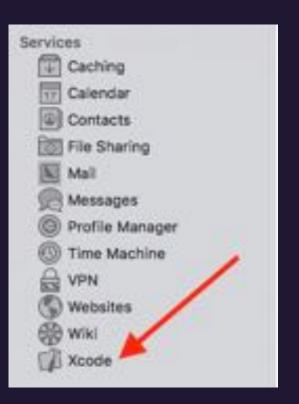


### Xcode Server

### What is Xcode Server?











### It's all about bots

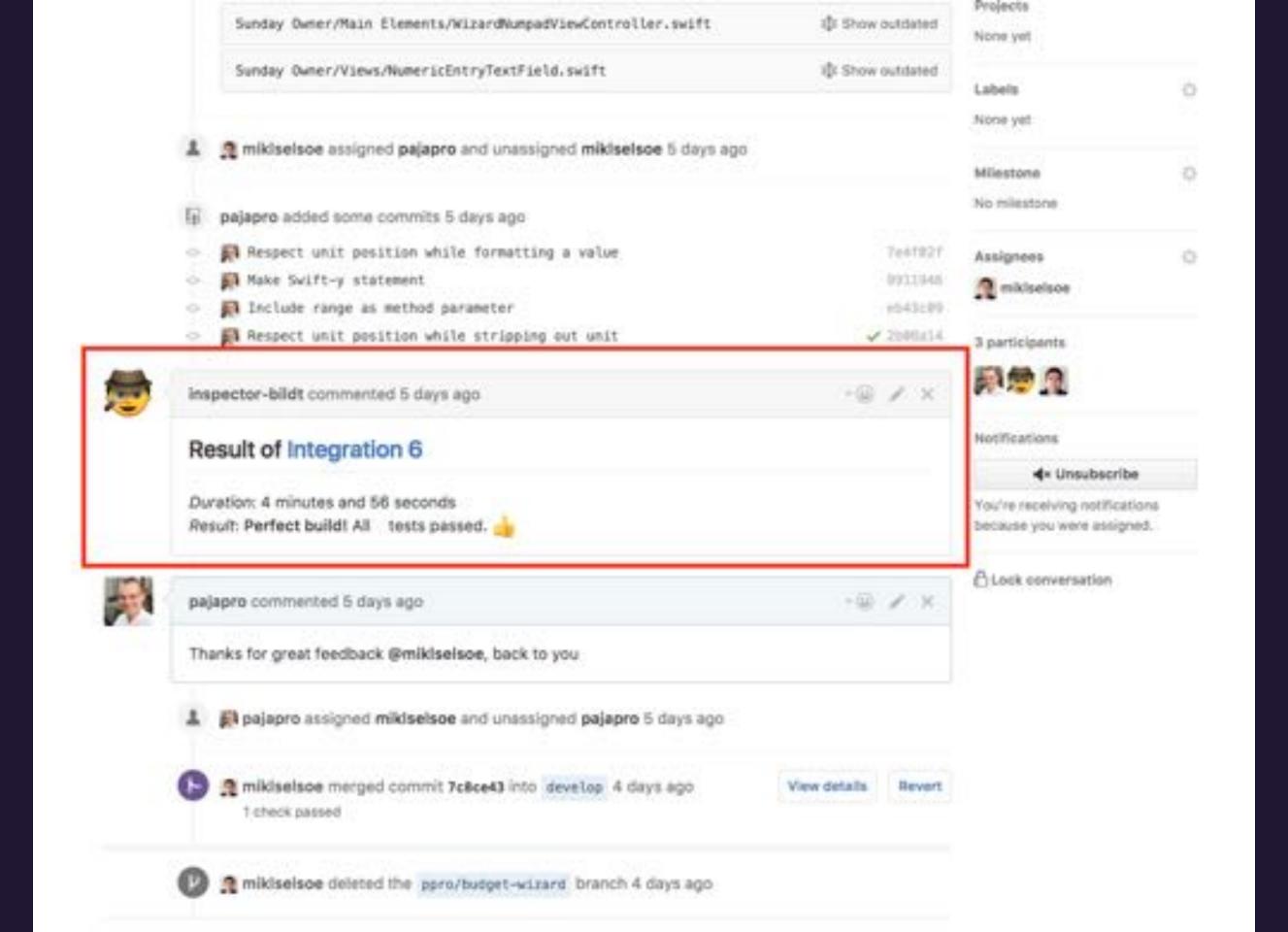


# DEMO

# What Xcode Server can NOT do?

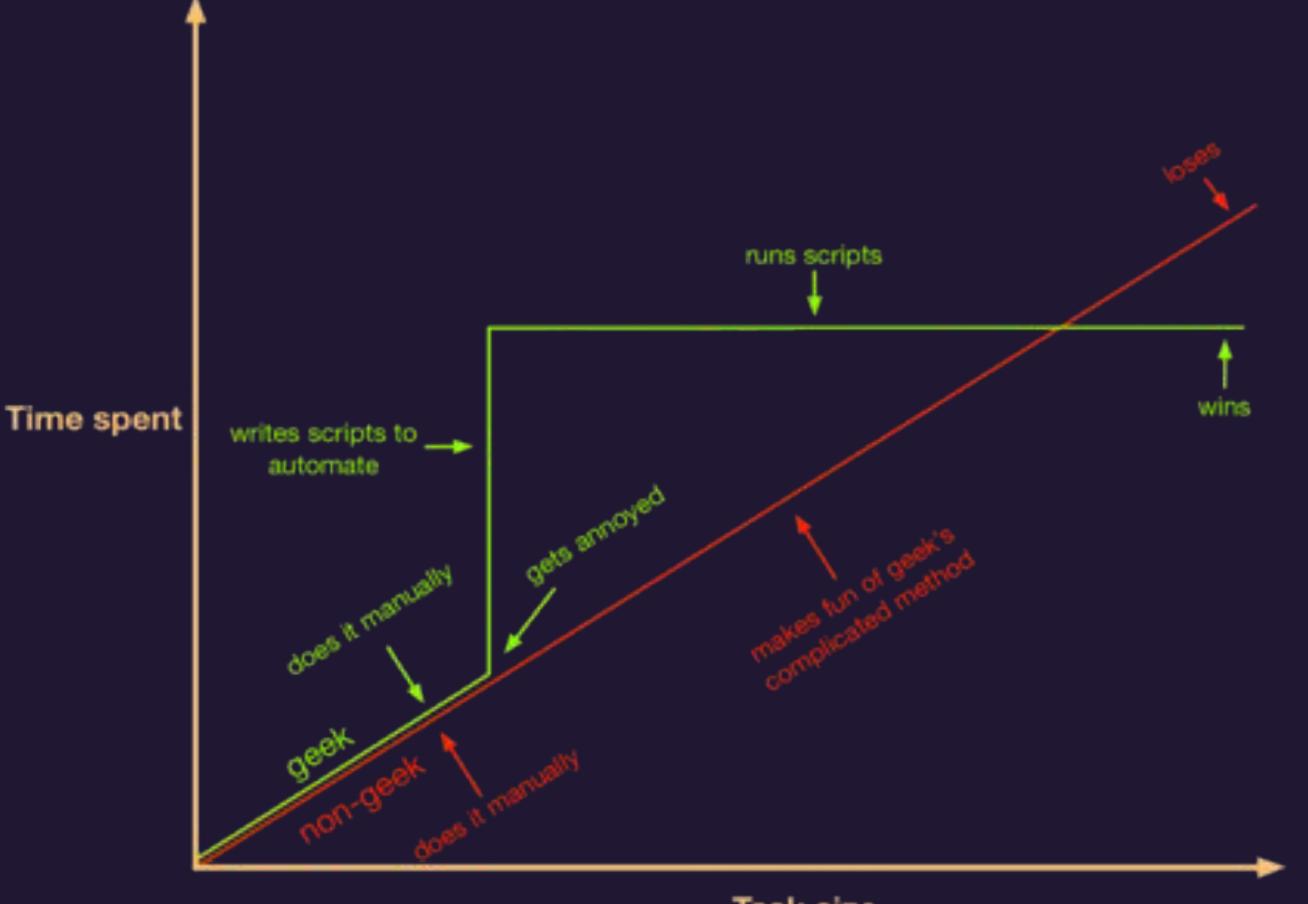
### Buildasaur





### Tips & tricks

- → Dedicate Mac Mini/Mac Pro as build server
- → Configure Integration User as a separate team member
  - → GitHub/Bitbucket account
  - → SSH keys
- → rbenv, RVM to manage gems
- → Do not press "Add Team" button too much



Task size



### Practices of CI & CD

- → Automate deployment: + fastlane
- → Every commit should build on an integration machine:







- → Fastlane documentation
- > Xcode Server and Continuous Integration Guide
- → Xcode Server Tutorials
- → Advanced Testing and Continuous Integration
- → Continuous Integration and Code Coverage in Xcode
- → Buildasaur
- → XcodeServerSDK
- → Self-hosted CI for iOS/Mac development