



Mobile App team with 100+ people

How we work together?

By Patompong Manprasatkul

(Pat / หนึ่ง CoE22)

About Agoda

- One of the **biggest OTAs in Asia**, part of Booking holding group (world's largest online travel agency) market cap **100B\$**
- **4000+ employees** 70 nationalities, 1000 engineers
- **40+ offices** around the world
- **~2M properties**
- **38 languages** 50 currencies
- **7B\$** transaction a year (growing)



About Agoda Mobile App

- Among **fastest growing** product of the business
- **Loved** by users 4.7(iOS) 4.6(Android) + Editor's Choice(Android)
- **Weekly** release
- **300+** active experiments and **~40** new experiments every release
- Native “mostly” Swift and Kotlin
- **39** languages and 50 currencies (RTL support)
- Kick-ass team around **100 people**

Agoda – Great Prices on Hotels 4+

Exclusive Deals, 2.1M+ Choices

[Agoda.com](https://www.agoda.com)

#4 in Travel

★★★★★ 4.7, 36.7K Ratings

4.6



271,597 total

● Swift 70.7% ● Objective-C 28.2% ● HTML 0.7% ● Ruby 0.3% ● Liquid 0.1% ● Objective-C++ 0.0%

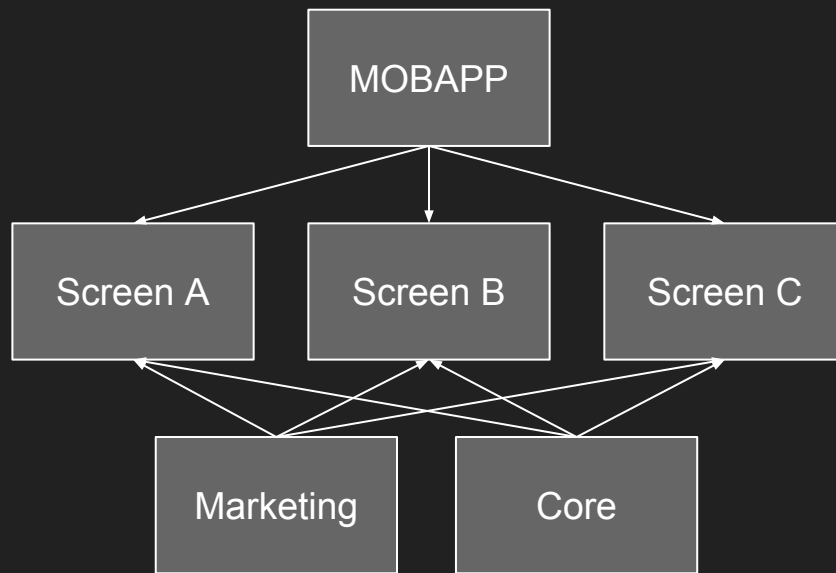
● Java 68.0% ● Kotlin 31.9% ● Python 0.1% ● Ruby 0.0% ● HTML 0.0% ● Shell 0.0%

Experiment AKA a-b testing



<https://www.kameleoon.com/en/ab-testing>

Scrum

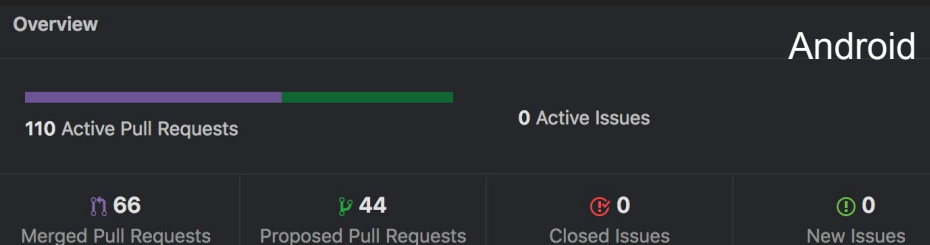
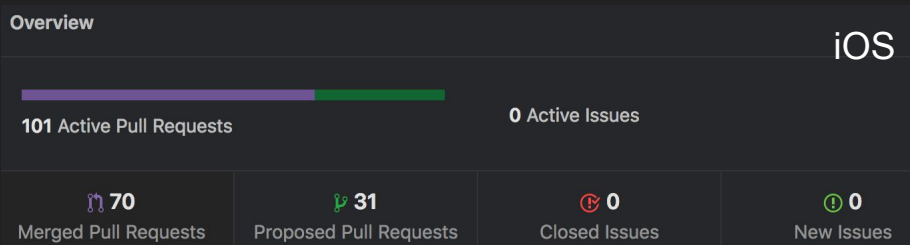


From idea to client

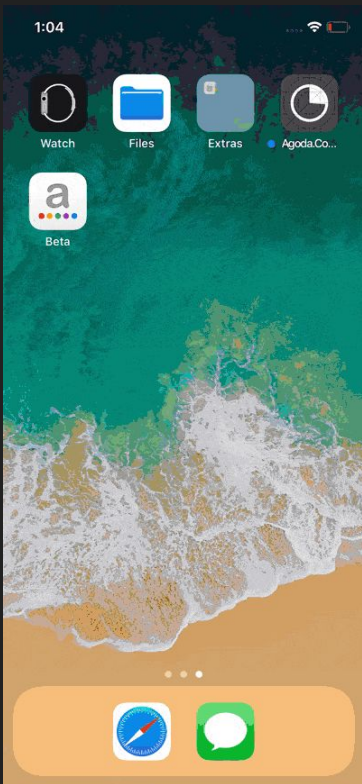
- Pitch to business team (PO)
 - Sprint planning (PO DM Dev QA)
 - Technical design (Dev DM QA)
 - Coding (Dev)
 - Unit test / UI test (Dev QA)
 - Local build Test (QA)
 - Merging / Code review (Dev)
 - Develop build Test (QA)
 - Bugfix? (Dev)
 - Signing off (QA)
- Product Owner [1]
 - Dev Manager [1]
 - Developer (iOS Android API) [1+ each]
 - QA [1-2]

Interesting data

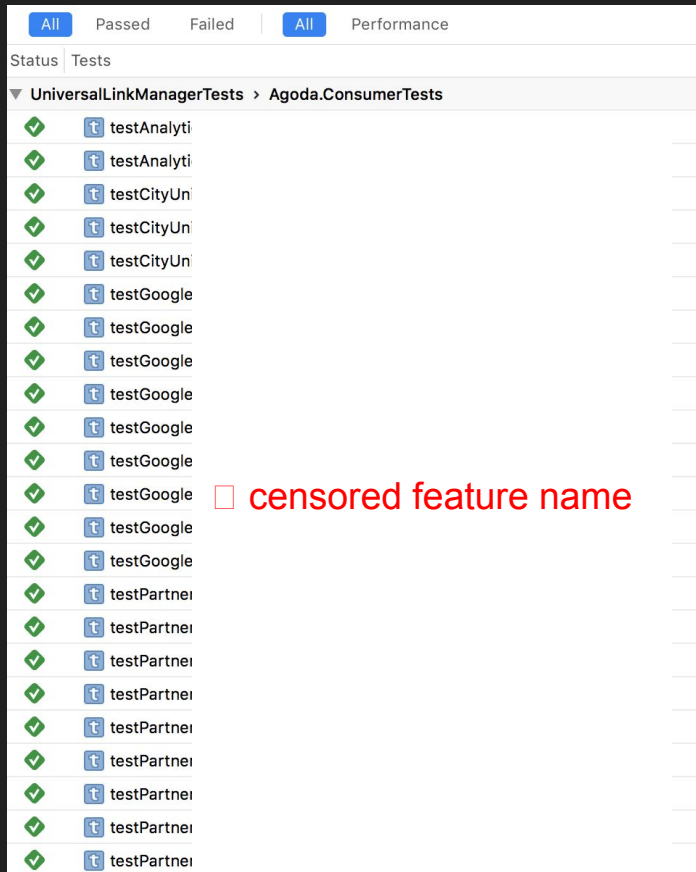
- **15,000 Unit test** (each platform)
- **900 UI test** (each platform)
- **100+ PRs** merge into clients repository weekly
- **30 minutes** of full regression (before merge)
- **1 hour** signing off Release Candidate before submission



What's UI test?



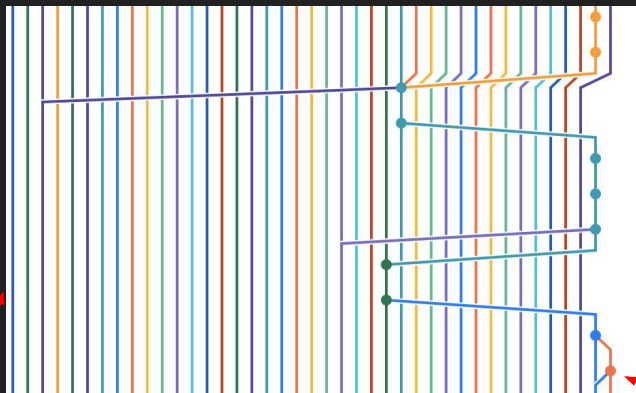
What's Unit test?



□ censored feature name

Interesting data

- Merge conflict? (no doubt) pro tips: small PR easy to review and avoid merge conflict
- 6 CI/CD agents (iOS)
- 11 CI/CD agents (Android) Kubernetes



Develop branch

My branch 🌐

Agoda Mobile iOS Unit Test pool (6)

iOS

🍏 BK-MAC-MOBILE-GUSHIZA

🍏 BK-MAC-MOBILE-I7-3 (disabled, disconnected)

🍏 BK-MAC-MOBILE-I7-4 (disabled, disconnected)

🍏 BK-MAC-MOBILE-I7-5 (disabled, disconnected)

🍏 BK-MAC-MOBILE-SZEN

🍏 BK-MAC-MOBILE-UGUPTA

Svarog pool (11)

Android

🤖 kubernetes-agent-svarog-0 (disabled 🗨)

🤖 kubernetes-agent-svarog-1 (disabled 🗨)

🤖 kubernetes-agent-svarog-10

🤖 kubernetes-agent-svarog-2 (disabled 🗨)

🤖 kubernetes-agent-svarog-3 (now building, time left: 34m:46s)

🤖 kubernetes-agent-svarog-4

🤖 kubernetes-agent-svarog-5

🤖 kubernetes-agent-svarog-6

🤖 kubernetes-agent-svarog-7

🤖 kubernetes-agent-svarog-8

🤖 kubernetes-agent-svarog-9

Q&A

We're hiring

(careers at agoda) careersatagoda.com

Get in touch

Twitter/Instagram/Medium/Telegram/Github @PattoMotto

linkedin.com/in/manprasatkul1

PattoMotto@ProtonMail.com



Confidential © 2018 Agoda. All right reserved.