ThoughtWorks®

O que é qualidade?

Quebrando as Barreiras

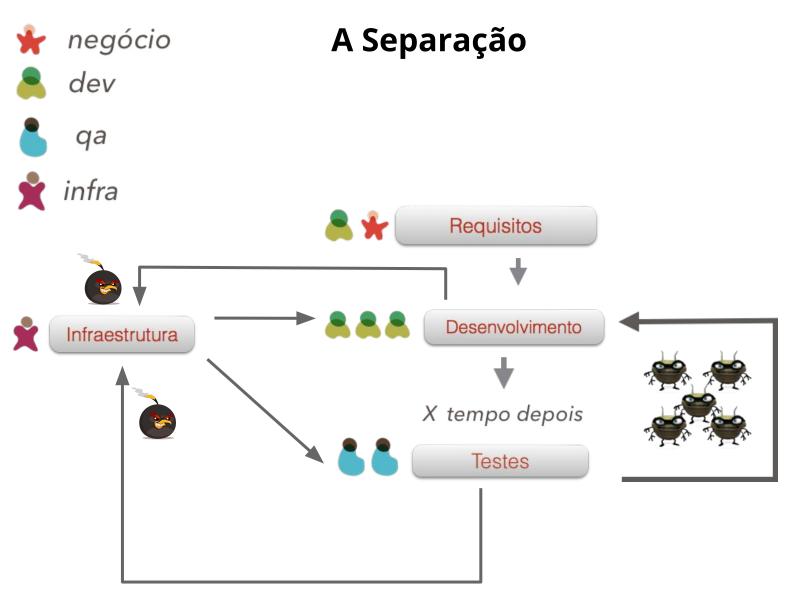*Times unificados são mais eficazes*
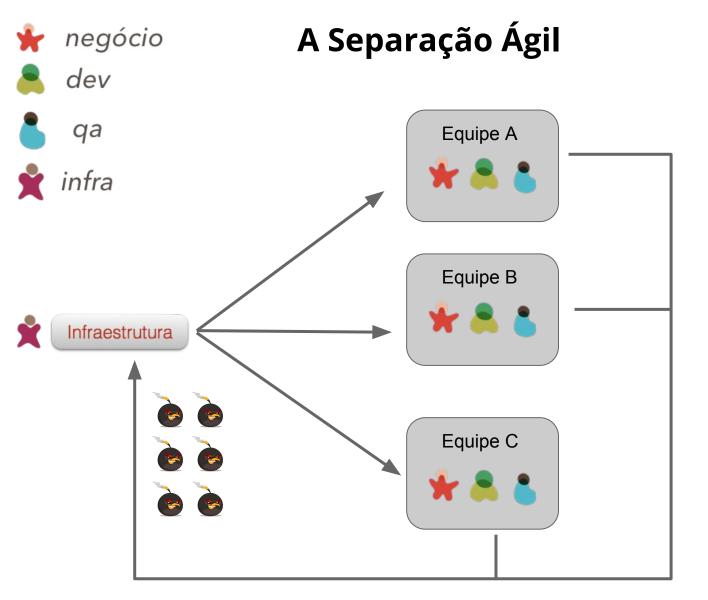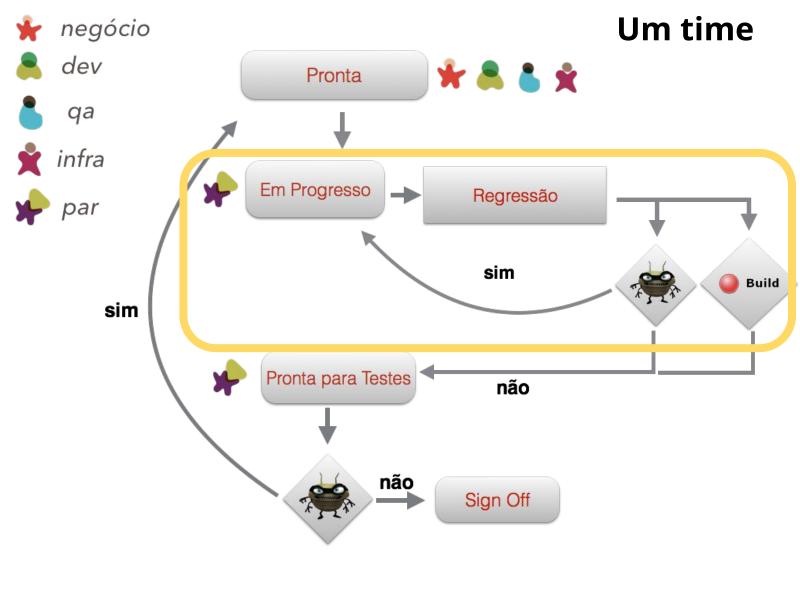
Rafael Lima

Sobre

Rafael Lima

- **rlima@thoughtworks.com**
- **rafalima07@gmail.com**
- www.linkedin.com/in/rafaelplima/

ThoughtWorks®

O que é qualidade?

A Separação

A Separação

negócio
dev
qa
infra

Requisitos

Infraestrutura

Desenvolvimento

X tempo depois

Testes

A Separação Ágil

negócio
dev
qa
infra

Infraestrutura

Equipe A

Equipe B

Equipe C

Temos que ser bons em prevenir bugs e não em achá-los
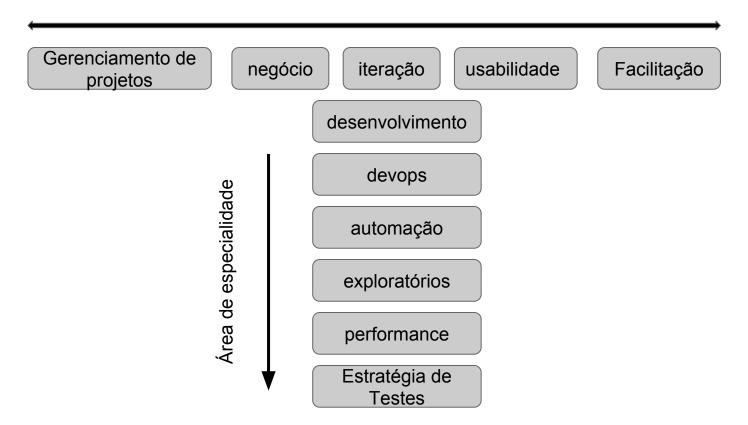
Perfil em T

Perfil em T
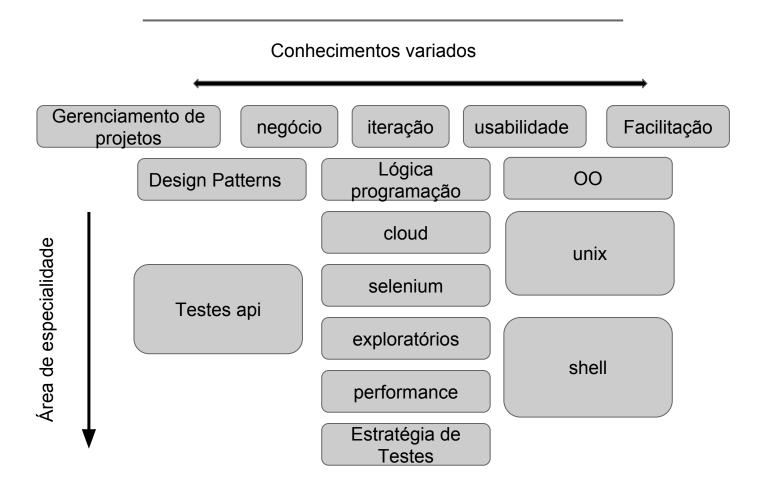
Conhecimentos variados

Área de especialidade

Perfil em T

Conhecimentos variados

Gerenciamento de projetos — negócio — iteração — usabilidade — Facilitação

Área de especialidade

- desenvolvimento
- devops
- automação
- exploratórios
- performance
- Estratégia de Testes

Perfil em T

Conhecimentos variados

Gerenciamento de projetos	negócio	iteração	usabilidade	Facilitação

Área de especialidade

Design Patterns	Lógica programação	OO

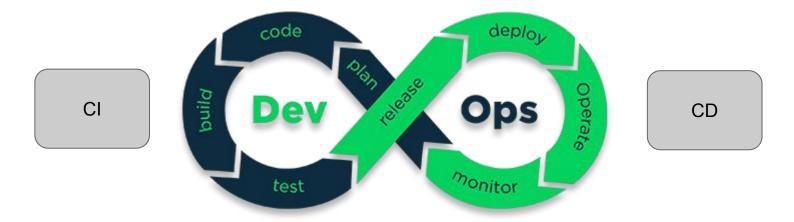| | cloud | unix |
Testes api	selenium	
	exploratórios	shell
	performance	
	Estratégia de Testes	

ThoughtWorks®

Como automação habilita o Devops?

Por que Automatizar?

CI

CD

Automation Report

Table 3: Percentage of work that is done manually, by performance group.
All percentages significantly different among High, Medium, and Low IT performers, except where otherwise noted.

	High performers	Medium performers	Low performers
Configuration management	28%	47%[a]	46%[a]
Testing	35%	51%[b]	49%[b]
Deployments	26%	47%	43%
Change approval processes	48%	67%	59%

[a,b] Not significantly different

Devops Report

Table 2: 2017 IT performance by cluster

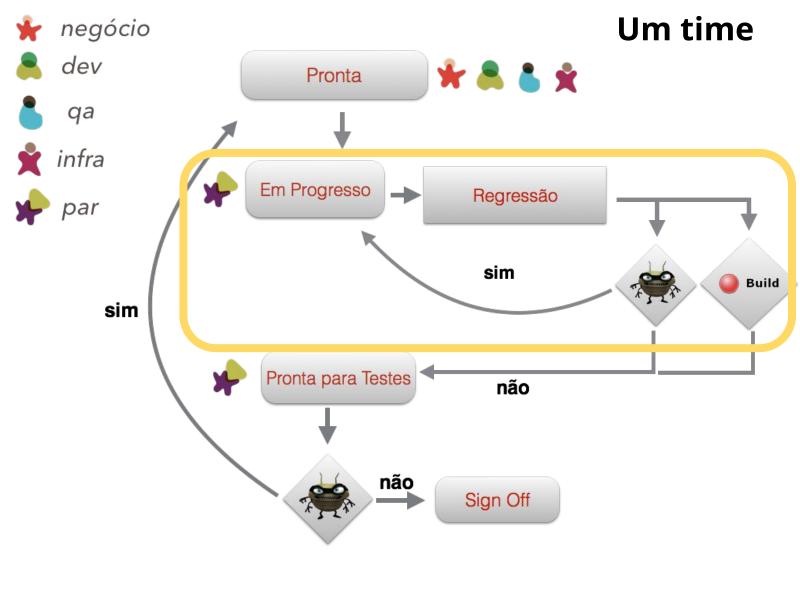| Survey questions	High IT performers	Medium IT performers	Low IT performers
Deployment frequency *For the primary application or service you work on, how often does your organization deploy code?*	On demand (multiple deploys per day)	Between once per week and once per month	Between once per week and once per month*
Lead time for changes *For the primary application or service you work on, what is your lead time for changes (i.e., how long does it take to go from code commit to code successfully running in production)?*	Less than one hour	Between one week and one month	Between one week and one month*
Mean time to recover (MTTR) *For the primary application or service you work on, how long does it generally take to restore service when a service incident occurs (e.g., unplanned outage, service impairment)?*	Less than one hour	Less than one day	Between one day and one week
Change failure rate *For the primary application or service you work on, what percentage of changes results either in degraded service or subsequently requires remediation (e.g., leads to service impairment, service outage, requires a hotfix, rollback, fix forward, patch)?*	0-15%	0-15%	31-45%

* Note: Low performers were lower on average (at a statistically significant level), but had the same median as the medium performers.

For information on how we determined high, medium and low IT performance, please see the Methodology section.
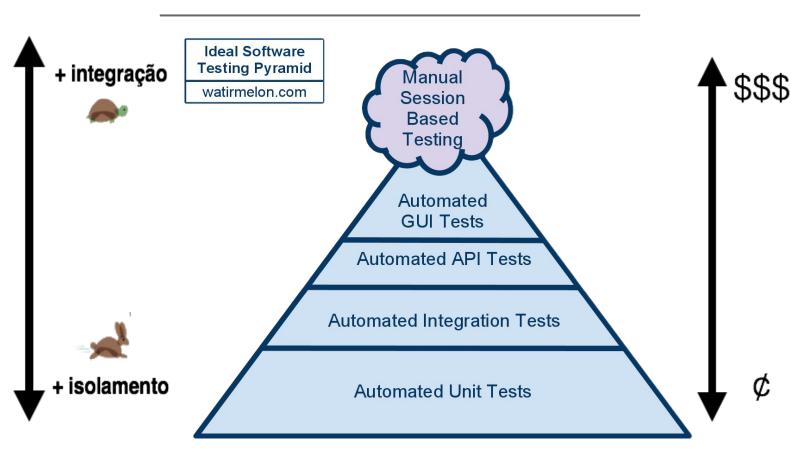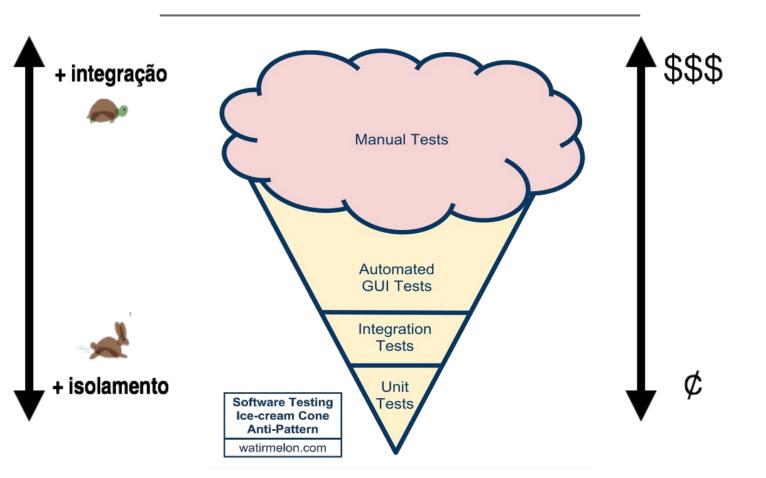
THE OOMPA-LOOMPAS

Charlie
AND THE
CHOCOLATE
FACTORY
IN THEATERS JULY 15

O que devemos Automatizar?

Testes

Infra

Deploy

Métricas

Pirâmide de Testes

+ integração

Ideal Software Testing Pyramid

watirmelon.com

Manual Session Based Testing

Automated GUI Tests

Automated API Tests

Automated Integration Tests

Automated Unit Tests

+ isolamento

$$$

¢

Anti-Padrão Sorvete

+ integração

+ isolamento

$$$

¢

Manual Tests

Automated GUI Tests

Integration Tests

Unit Tests

Software Testing Ice-cream Cone Anti-Pattern

watirmelon.com

Anti-Padrão Bolinho

+ integração

+ isolamento

$$$

¢

Manual

Automated GUI Tests

Automated Integration Tests (API, Contract, Component)

Automated Unit Tests

Software Testing
Cupcake
(anti-pattern)

Fabio Pereira

ThoughtWorks®

Como QA pode ajudar?

QA

Áreas de influência

Processos

Requisitos do Negócio

Desenvolvimento

Testes

Devops

Suporte

Equipes únicas habilitam o devops, entregam mais e com mais qualidade

Referências

- ❏ **[Introducing the Software Testing Cupcake (Anti-Pattern)](#)**

- ❏ **[The Practical Test Pyramid](#)**

- ❏ **[2017 Puppet DevOps Report](#)**

Obrigado

Para perguntas ou sugestões:

rlima@thoughtworks.com
rafalima07@gmail.com
www.linkedin.com/in/rafaelplima/

https://www.slideshare.net/rafalima07/quebrando-as-barreiras-devops

ThoughtWorks®