

Remote Pair Programming

Agile Prague

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**Guest starring: Rasika
Sugathadasa**

[@jhannes](https://twitter.com/jhannes)



Can a **distributed** team
still **Communicate**
closely?

**This talk is for you if
you...**

Want to work with remote colleagues

Want to practice pair programming (more)

Want to see some TDD coding

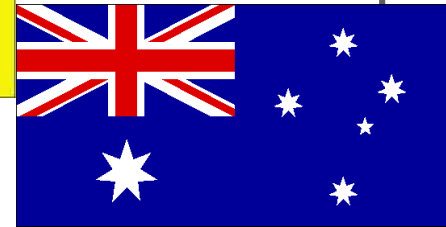
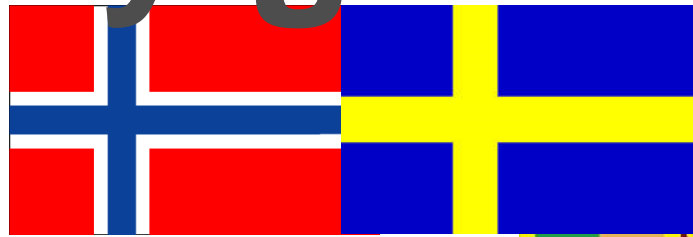
**Want to see some TDD coding
(And you're not scared by coding)**

After this talk

- Find a remote mentor
- Pair with your remote team
- Run a distributed workshop

- 1. Why**
- 2. How**
- 3. Demonstration**
- 4. Discussion:
Distributed agile**

Why global teams



There are not enough devs here

**There are not enough devs here
(for most values of “here”)**

**(There are not enough devs here)
But there are more “over there”**

But

**Communication cost increases
with distance**

Luckily

**Communication cost increases
with distance**

**Everybody knows that:
Communication cost increases
with distance**

Which would you prefer:

Which would you prefer:
A. Team sits onsite, but...
uses headphones all day
speak to customer monthly

Which would you prefer:

**A. Team sits onsite, but...
uses headphones all day
speak to customer monthly**

**B. Team 1/3 around the world
Pair programs with local devs
Speak with customer daily**

Practical remote programming

**Don't send each keystroke
across the world and back**

**We want a solution that is
not super-expensive**

Voice sharing
Screen sharing
File sharing

Voice sharing (Skype)
Screen sharing (GoToMeeting)
File sharing (Dropbox)

Ping pong

Ingredient #1: Pair programming





Ingredient #2: Test driven development

Failing test

Write code

Failing test

Write code

Failing test

Ingredient #3: Refactoring

Failing test

Write code

Refactor code
and tests

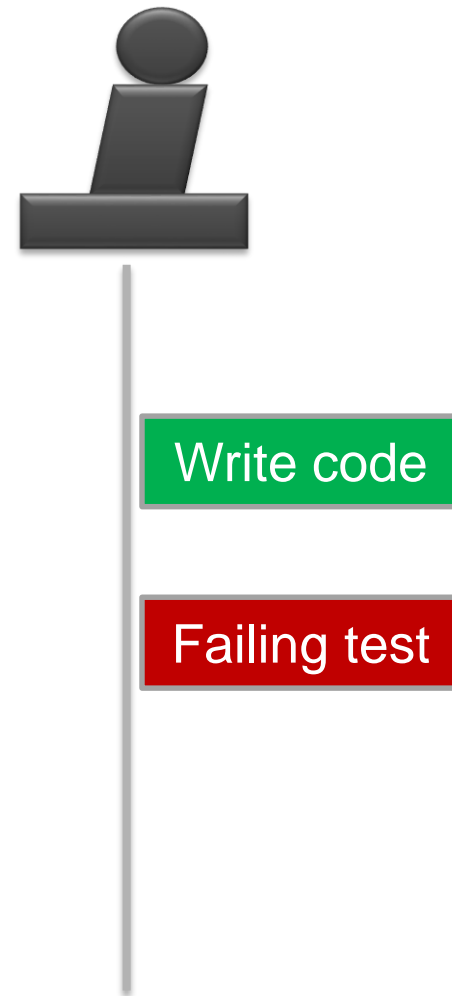
Failing test

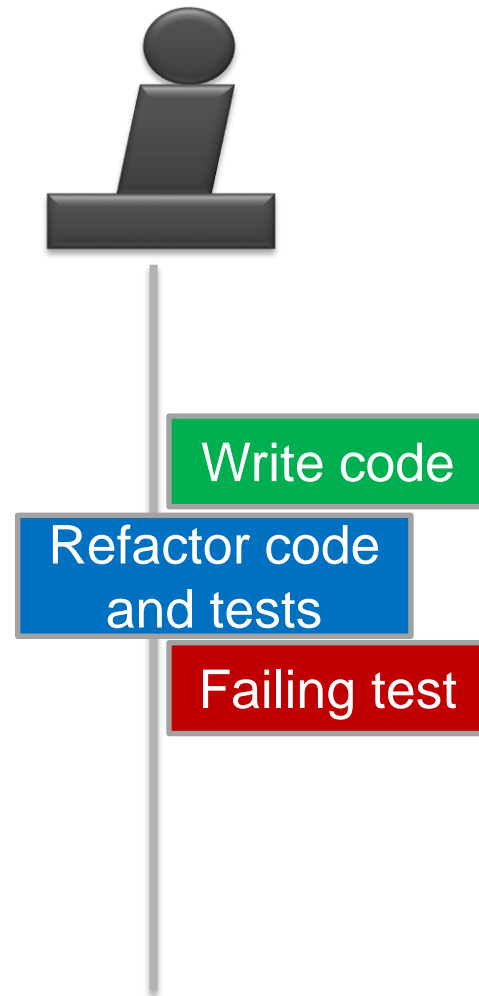
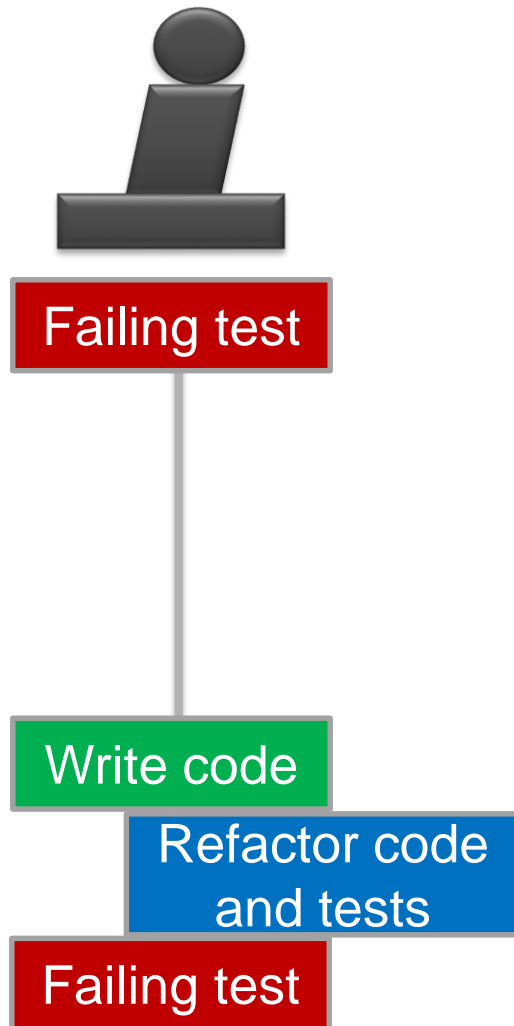
Write code

Refactor code
and tests

Failing test

Put together







Failing test

Write code

Refactor code
and tests

Failing test



Write code

Refactor code
and tests

Failing test

Demonstration

What to watch for?

What to watch for?

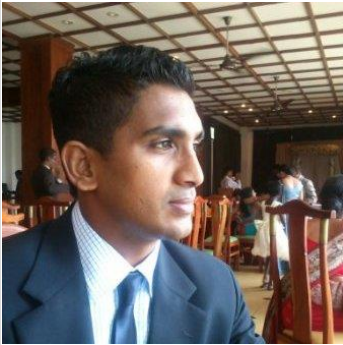
- Collaboration
- Problems and approaches

Please:

- Talk about what you see to the person next to you (whisper)
 - Tweet to [@jhannes](https://twitter.com/jhannes)

Demonstration

(Guest starring Rasika Sugathadasa)



Kata: Roman numerals

Kata: Roman numerals

1 => I

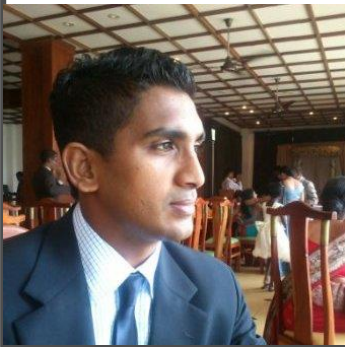
5 => V

1999 => MCMXCIX

Discussion

Benefits

(Guest starring Rasika Sugathadasa)



- 1. Faster learning**
- 2. Feedback on my own skills**
- 3. Better results through connected work**



- 1. Faster learning**
- 2. Feedback on my own skills**
- 3. Better results through connected work**
- 4. Fun!**



What did you see?

Dealing with time-lag

Helping each other

Communicating ideas

Usage

Dev extension

Training

Job interviews

Project startup

Project startup

- **Two weeks ago, the two of us worked on the same team**

Training

- **You just saw it...**

Interviews

- **Reveals real skills**
 - **Motivating**
- **Pre-start training**

Conclusions

**More distribution =>
more structured communication**

Dropbox, Skype, GoToMeeting

Dropbox, Skype, GoToMeeting
(There are many other ways, too)

It's a small world, after all

Find a remote pair prog partner

Find a remote pair prog partner
Have fun

**Grab hold of me in the hallway
for a pair programming session**

Thank you

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