Remote Pair Programming

Pair Programming for Remote Development Teams
Who?
Who?

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Who?
Agenda

People
Challenges
Technology
Who?

Pair programming for over 11 years
Who?

Remote pair programming *frequently* the last 6 years
Who?

Remote pair programming *full time* for 1 year
Who?

8+hrs per day
5 days per week
Pair Programming?
Pair Programming?

Two developers coding on one workstation
Pair Programming?

- Higher quality • Fewer defects
- Focus • Intensity • Faster problem solving • Knowledge transfer • Code review •
What?

Remote pair programming
What?

Pair programming, but *not* at the same physical computer
Videos
Why?

Remote pair programming
Why?

Because you can!
Why?

The *same benefits* as in-person pair programming
Why?

• Higher quality • Fewer defects
• Focus • Intensity • Faster problem solving • Knowledge transfer • Code review
Why?

benefits are *higher value* for remote developers?
Why?

• Higher quality • Fewer defects
• *Focus* • *Intensity* • *Faster problem solving* • *Knowledge transfer* • *Code review* •
Why?

Silo is a four-letter word
How?

Remote pair programming
How?

It's about *people* and technology
How?

Extremely good pairing etiquette
How?

Patience
How?

In-office team that is generous and understanding
How?

A good attitude
Challenges

Remote pair programming
Challenges

The *same challenges* as in-person pair programming
Challenges

*Lacks* some of the *traditional* work-from-home benefits
Challenges

Whiteboards
FB Friends

FB ONLY FRIEND □ Invite

FB Friend, Friend ⌔

FB Friend, Not Friend □
Challenges

2 timezones is hard
Challenges

3 timezones is harder
Challenges

Technology gremlins
Challenges

Development for physical devices
Challenges
But what about…

Meetings, stand-ups, scrums, planning sessions, etc?
Questions

before we talk about technology?
The Tech
The Tech

There will be problems
The Tech

Fast high speed Internet, especially *upload bandwidth*
The Tech

VPN: gateway through the firewall
The Tech

Screen Sharing
The Tech

Screen Sharing

TeamViewer

Remote Desktop Connection

Screen Sharing.app

skype™

iChat

REAL VNC
The Tech
Screen Sharing

Tuesday, August 16, 11
The Tech

Video Conferencing
The Tech

Video Conferencing

[Logos for Skype, Gmail, iChat, and Microsoft Lync]
The Tech

Video Conferencing
Though I **HATE** v. 5

Video Conferencing
Computer
Bonus Material

Random thoughts, tips and tricks
“Skype-enable” every meeting room
Joe in the Box

fascinating confluence of technology and sociology
Dedicated Laptop

Ideally, a dedicated laptop for each remote team member
Dedicated Laptop

A single dedicated machine can work, too.
Dedicated Laptop

becomes the *in-office presence* of the remote person
Dedicated Laptop
Dedicated Laptop

Small, portable, wireless, video-enabled, go-anywhere version of the remote person
Dedicated iPad 2?

Don’t bother
Dedicated iPad 2?

http://pivotallabs.com/users/joe/blog/articles/1676
Thank You!

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http://svy.mk/rpp-atl-ios