

Remote Pair Programming

Social Programming can be great, if used well

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Some history

- I have been pairing for over 10 years
- Pair programming
- Pairing with testers
- Pairing with business analysts
- Pair facilitation
- Pair writing
- Pairing for organizing events
- ...

Remote pair programming

- Started recording code casts with remote pairing since 2016
- Pairing with strangers is great, you have a lot of things to learn
- Wrote a book about remote pair programming: [Practical Remote Pair Programming](#)
- Began pairing with people I know
- Pairing with people at conferences,
- And then remote pair programming with people I didn't know

Sharpening our knowledge with pairing

- Collaborative work
- Leveling knowledge
- Advancing knowledge

Pair programming

- Driver - navigator
- Trainer / facilitator - trainee
- Programmer - tester
- Programmer - UI designer
- Programmer - DevOps
- Programmer - Business Analyst
- ...

When pairing helps

- Bettering efficiency
- Improving technical skills
- Aiding knowledge transfer
- Improving communication
- Enhancing problem-solving capabilities
- Simplifying the existing code base

Pair programming techniques

- Driver - Navigator
- Pairing - Trainee
- Beginner - Advanced
- Beginner - Beginner (please don't use it)
- Ping - Pong

Pair programming styles

- Unplanned pairing
- Traditional pairing
- Elastic pairing
- Strong-style pairing

Communication methods

- Aggressive
- Submissive
- Assertive
- Right words, tone, and clarity

Pair programming best practices

- Take notes
- Start with small talk
- Empty your cup
- Debrief
- Dialogue courtesy
- Building confidence - commit often & good unit tests
- Trust your pair

Remote pair programming setup

- Good wired internet connection
- Lightning
- Good Microphone
- Good HD Camera
- Two monitors / two computers

Screen sharing vs Remote Pairing tools

- Screen sharing tools are cumbersome to use
 - TeamViewer, AnyDesk, Screen, Zoom, Google Meet, Skype
- Remote pairing tools are better, but not perfect
 - Tuple, VS Studio, Use Together, Codeshare,

Any questions?

Lessons learnt

- Pair programming is my preferred approach to building software
- Setup for remote pair programming can be difficult, and involves a cost
- Great setup makes great sessions
- Try pairing with your colleagues, and then with strangers
- Pairing makes great condensed learning

Pairing done right is usually
great, pairing done bad is awful

What's *Next*

1 | Start pairing

Start pairing in your organization

Pair with friends from other organizations

Pair with unknown people

2 | Contribute

Review the code

Implement a short feature

Join a bigger feature

If you are a mountaineer, describe the hikes

3 | Read

Using Flutter with Android Studio / IntelliJ [article](#)

How to contribute to Open Source [article](#)

Practical Remote Pair Programming [book](#)

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Thank you