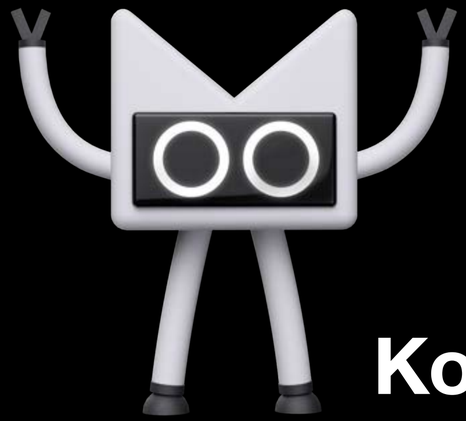
blue4IT

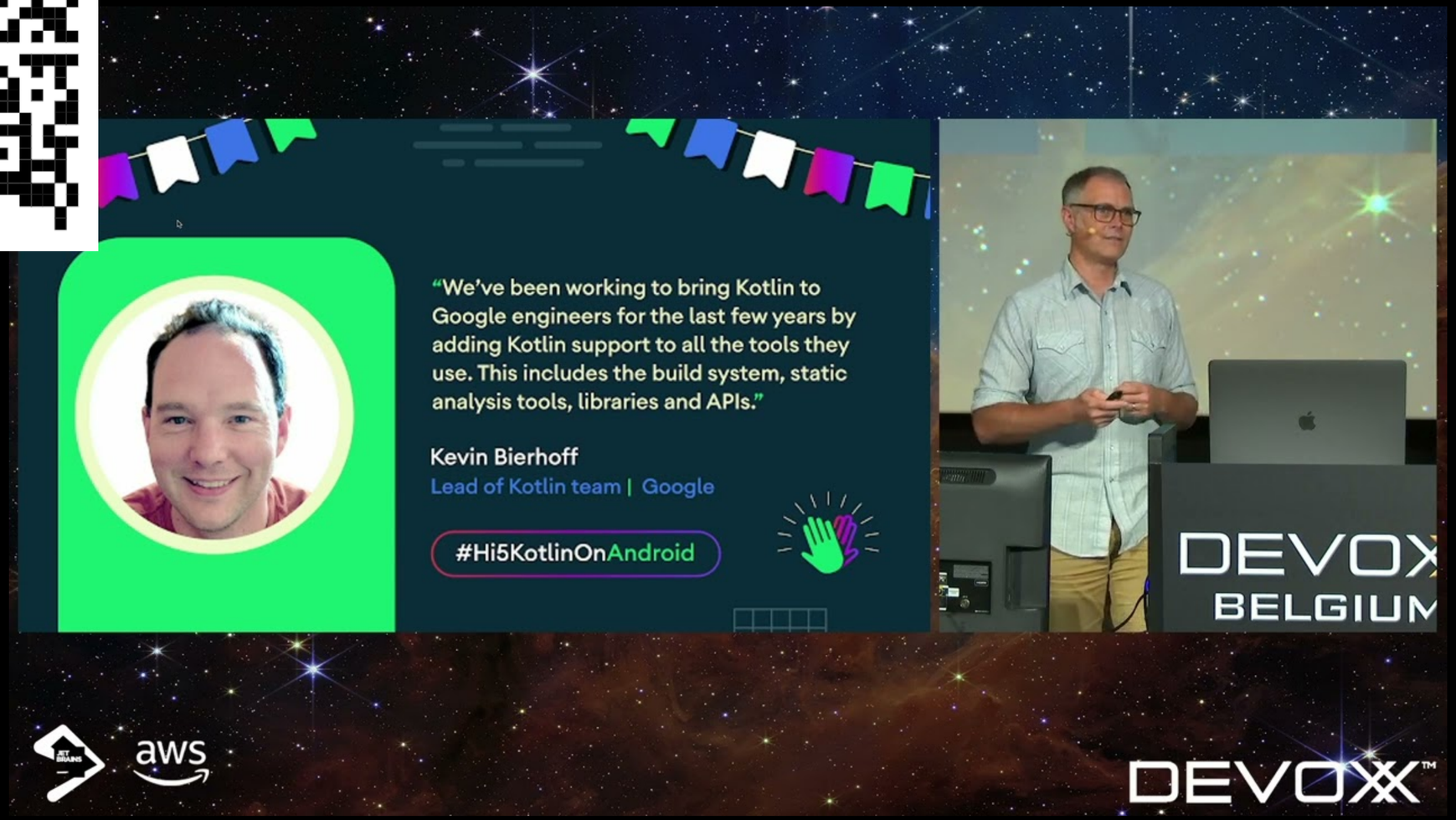
HOW WE BUILT AND MIGRATED

our Spring Boot Applications to Kotlin

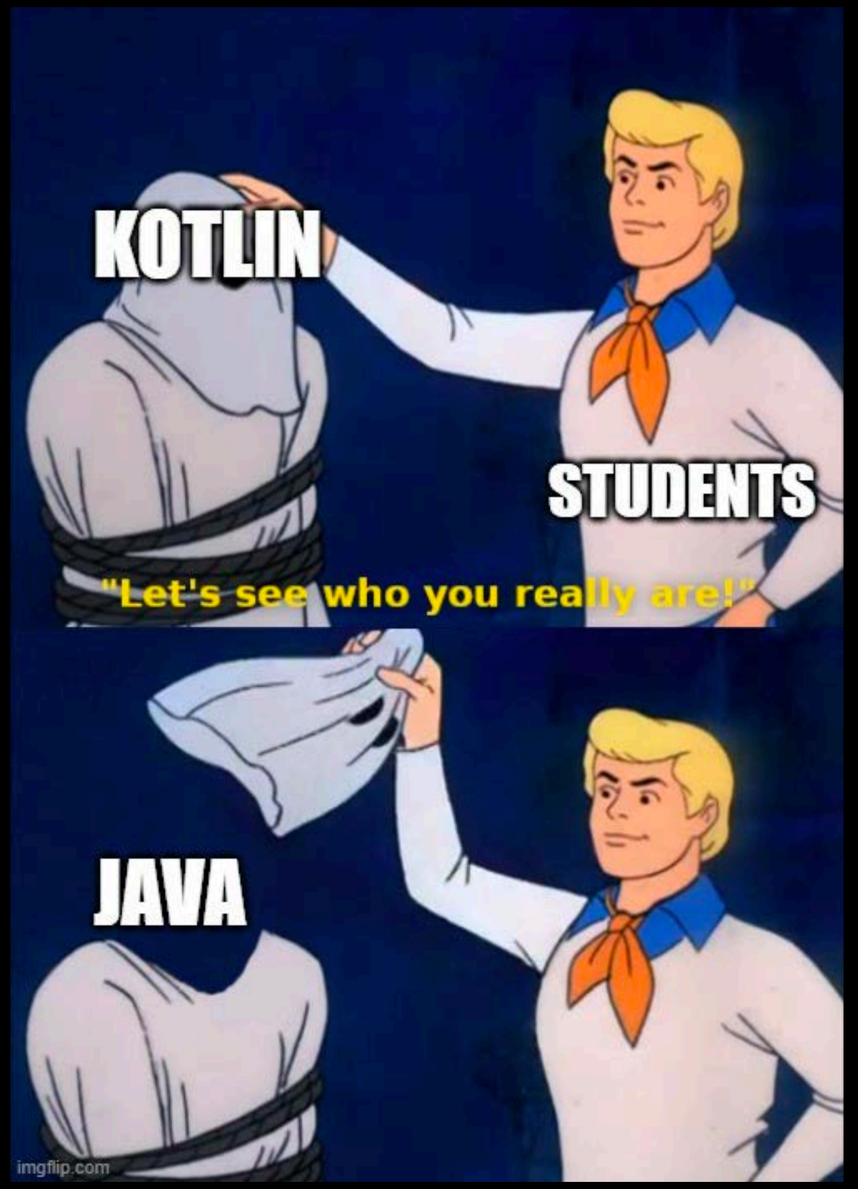


Ko Turk

Google's Journey from Java to Kotlin for Server Side Programming



Google's Journey from Java to Kotlin for Server Side Programming


KOTLIN
STUDENTS
"Let's see who you really are!"
JAVA
imgflip.com

Kotlin
Compile
Decompile
JVM bytecode
Compile
Decompile
Java

KOTLIN ISLAND

What’s in it for

You will learn

How to:

- Migrate to Kotlin --> IntelliJ IDEA
- Improve your code
  - --> scoped functions
  - --> replace loops
  - --> reactive

++

828

−−

Posted by u/vlakreeh 2 years ago

How Kotlin developers see Java developers

Meme

Me looking at Java code after learning Kotlin

WARNING

This meeting will contain live coding,
so everything could (potentially) go wrong.

The story……

IMAGE FROM
HTTPS://WWW.BURGERLINER.COM

MY VERSION OF
MOVING DAY!!!
memes.com

IMAGE FROM
HTTPS://WWW.GANNETT-CDN.COM/

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HTTPS://WWW.BROAVLOERISOLATIE.NL/

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HTTPS://THEMOVINGCOMPANY.NL/

Surprise!

All these steps are also applied when migrating

HOW WE BUILD AND MIGRATED

our Spring Boot Applications to Kotlin

Ko Turk

Developer

blue4IT

Rabobank

KoTurk/Kotlin/EngineersWeek

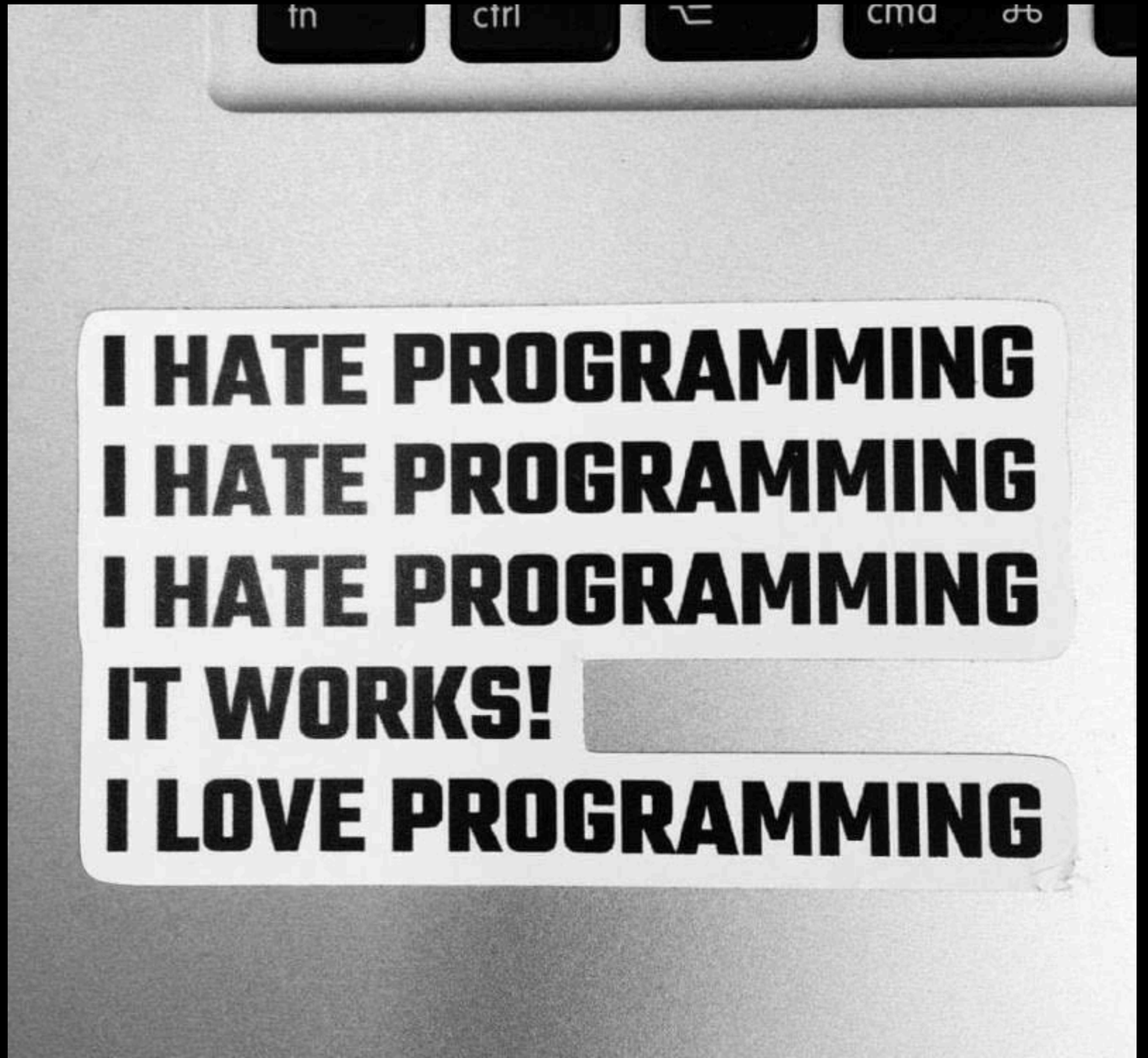
Team Inkpot

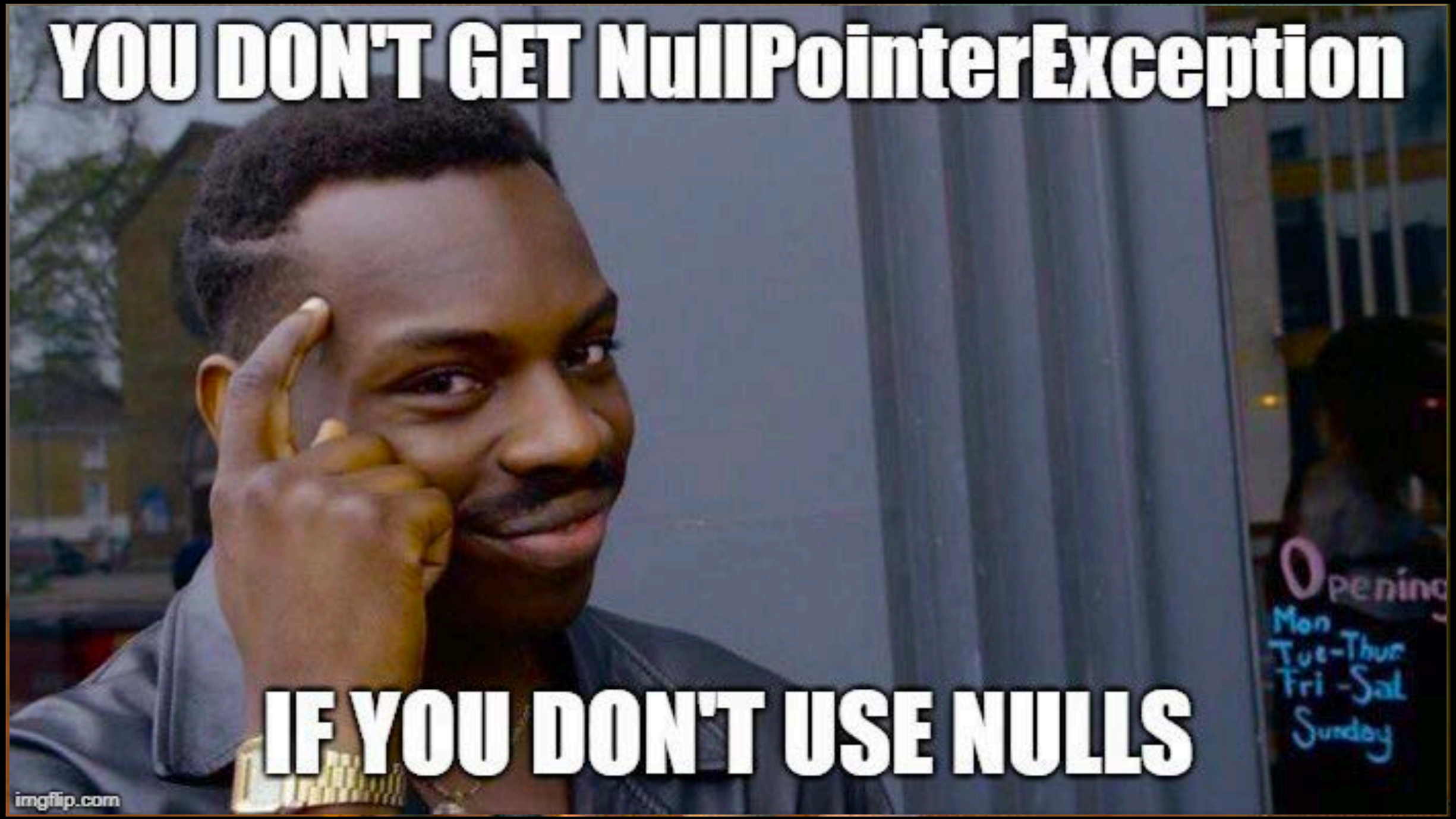
Part of the Ignite, Kotlin and Java community

Speaker

https://twitter.com/KoTurk77

HTTPS://MIRO.MEDIUM.COM/MAX/1400/0*CZANGQRX7MRMRKV9




YOU DON'T GET NullPointerException
IF YOU DON'T USE NULLS
Opening
Mon
Tue-Thur
Fri -Sat
Sunday
imgflip.com

String?

There are different strategies

To move to Kotlin

IMAGE FROM
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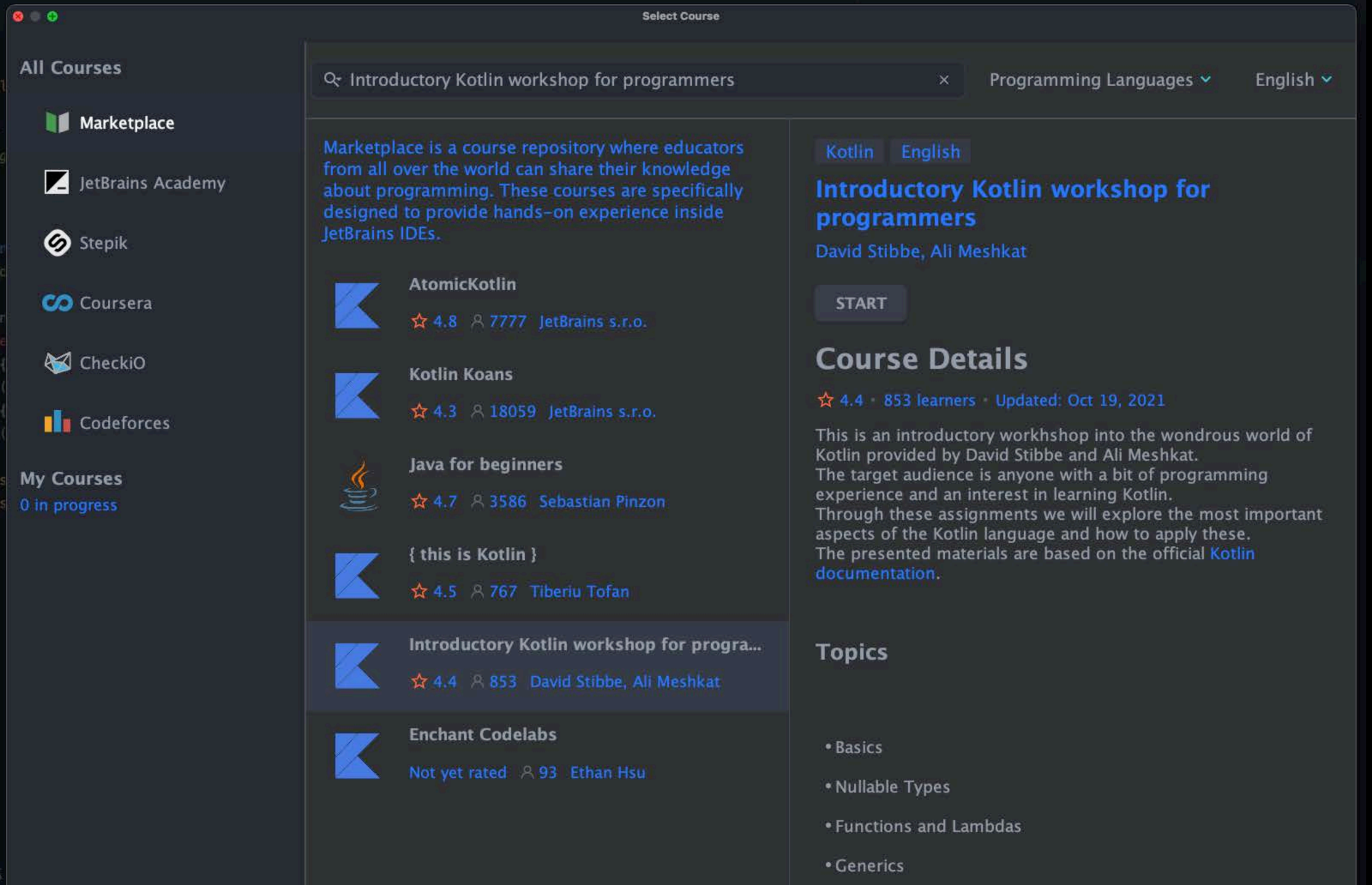
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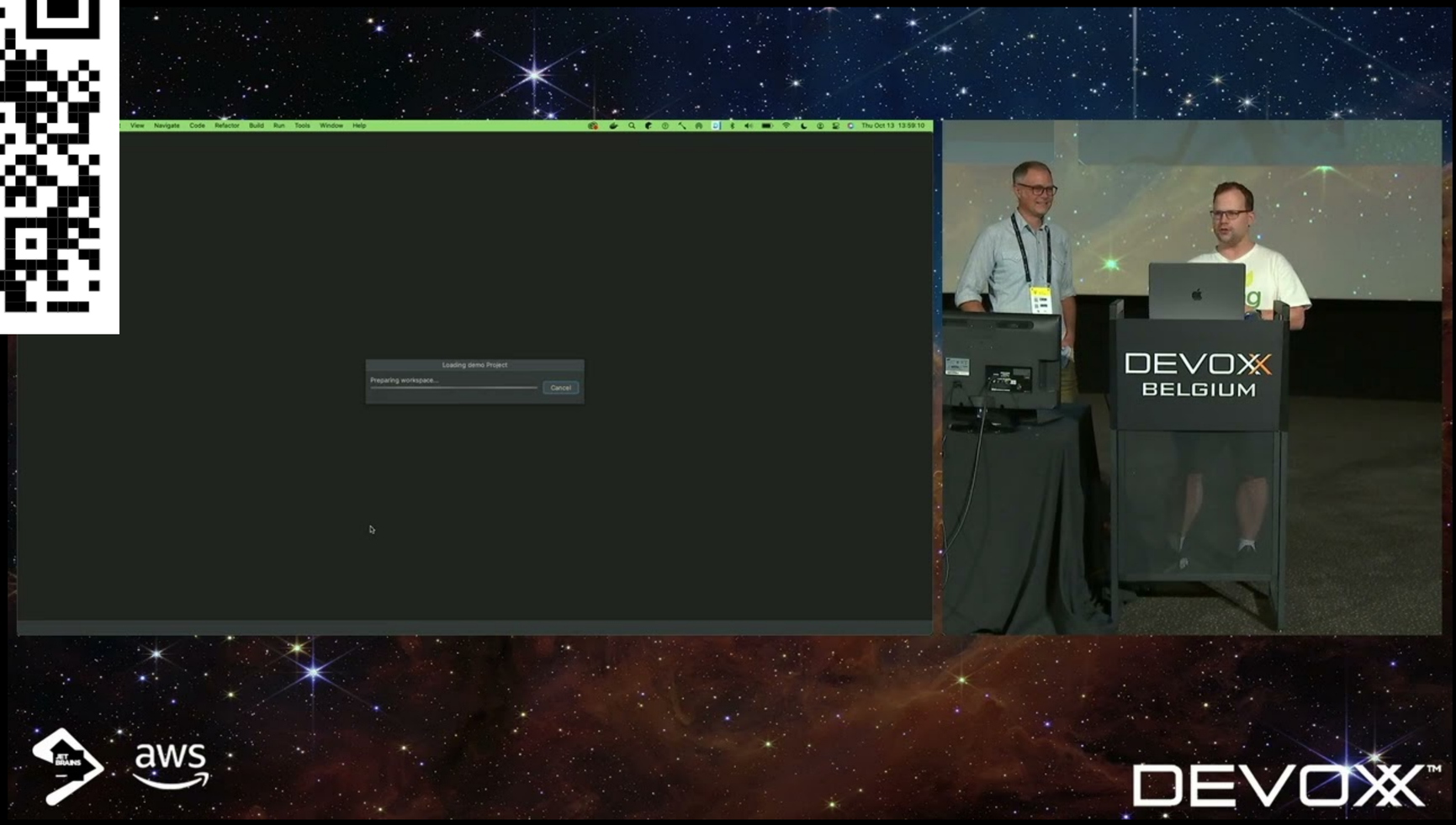
0 in progress
Introductory Kotlin workshop for programmers
Programming Languages
English
Marketplace is a course repository where educators from all over the world can share their knowledge about programming. These courses are specifically designed to provide hands-on experience inside JetBrains IDEs.
AtomicKotlin
4.8 7777 JetBrains s.r.o.
Kotlin Koans
4.3 18059 JetBrains s.r.o.
Java for beginners
4.7 3586 Sebastian Pinzon
{ this is Kotlin }
4.5 767 Tiberiu Tofan
Introductory Kotlin workshop for progra...
4.4 853 David Stibbe, Ali Meshkat
Enchant Codelabs
Not yet rated 93 Ethan Hsu
Kotlin
English
Introductory Kotlin workshop for programmers
David Stibbe, Ali Meshkat
START
Course Details
4.4 · 853 learners · Updated: Oct 19, 2021
This is an introductory workhshop into the wondrous world of Kotlin provided by David Stibbe and Ali Meshkat.
The target audience is anyone with a bit of programming experience and an interest in learning Kotlin.
Through these assignments we will explore the most important aspects of the Kotlin language and how to apply these.
The presented materials are based on the official Kotlin documentation.
Topics
• Basics
• Nullable Types
• Functions and Lambdas
• Generics



Spring + Kotlin = Modern + Reactive + Productive

Functional Programming in Kotlin by Venkat Subramaniam

IMAGE FROM
HTTPS://CDN.VOX-CDN.COM

IMAGE FROM
HTTPS://WWW.CHRISLOVESJULIA.COM/

IMAGE FROM
HTTPS://GODSBIGWORLD.WNG.ORG

Live coding

IMAGE FROM
HTTPS://PINNACLEBUSINESSWATER.CO.UK

IMAGE FROM
HTTPS://WWW.MYCHOICEHOMEZ.COM/

DO YOU KNOW
WHY KOTLIN IS
BETTER THAN JAVA?
NO, WHY?
METHODS IN KOTLIN ARE FUN

Key takeaways

- IDEA is your friend

- begin simple **-> use data classes, do not start with logic**

- do safe calls **-> with .let, .also and ?:**

- make your code readable **-> with idiomatic Kotlin!**

Kotlin To Java

MindOrks

I LIKE TO MOVE IT, MOVE IT
I LIKE TO KOTLIN!
imgflip.com

THANK YOU
Github: https://github.com/KoTurk/
Twitter: @KoTurk77