



# HOW WE BUILD AND MIGRATED

our Spring Boot Applications to Kotlin

blue4IT









**KOTLIN ISLAND**



# What's in it for



# You will learn

How to:

- Migrate to Kotlin
- Improve your code

--> IntelliJ IDEA

--> scoped functions

--> replace loops

--> reactive

# WARNING

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



The story.....







**MY VERSION OF**

**MOVING DAY!!!**















I'm gonna sue  
you for this!!!!

BIDNESS ETC





A security guard is shown from the back, wearing a black uniform jacket with the word "SECURITY" in large white capital letters. He is also wearing a black cap and a blue earpiece. He is holding a black walkie-talkie to his mouth with his right hand. The background is a blurred view of a building with white railings and a blue sky.

**SECURITY**







Surprise!

All these steps are  
also applied when  
migrating

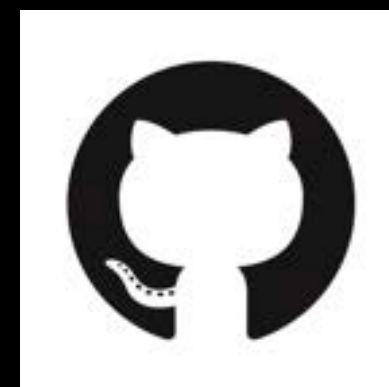


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# Ko Turk



KoTurk/Kotlin/UtrechtJUG

**Developer**

**Community lead**

**Speaker**



<https://twitter.com/KoTurk77>

**I HATE PROGRAMMING**  
**I HATE PROGRAMMING**  
**I HATE PROGRAMMING**  
**IT WORKS!**  
**I LOVE PROGRAMMING**



**YOU DON'T GET NullPointerException**

**IF YOU DON'T USE NULLS**



String?

There are different  
strategies

To move to Kotlin



















# Live coding









# 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!**



**I LIKE TO MOVE IT, MOVE IT**



**I LIKE TO KOTLIN!**



A photograph of two people sitting on a wooden floor, leaning against a white wall. They are wearing cardboard boxes on their heads, which have simple smiley faces drawn on them. The person on the left is wearing a red shirt and blue jeans, and the person on the right is wearing a green shirt and blue jeans. They are both barefoot. There are several stacks of cardboard boxes around them: a stack of three on the left, a stack of two on the right, and a single box in front of the person on the left. The text 'THANK YOU' is overlaid in large white letters across the middle of the image.

# THANK YOU

Github: <https://github.com/KoTurk/>

Twitter: @KoTurk77