



# Kotlin is Awesome!

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WTF is Kotlin?

# Who am I ?

- 15 years of full-stack web app development
- Focus on business apps
- 10 languages
- Great DX → Great CX

# What am I going to cover?

- Kotlin Overview
- Use Cases
- How to get involved!

# What is Kotlin?

- Type-safe, Succinct (DRY) & Modern Language
- Runs on the JVM. Mature libraries, frameworks and tools
- Also compiles to Native Code (LLVM) & Kotlin/JS
- Fully open source. Managed by the Kotlin foundation

Let's have a look...

```
1 package org.myapp
2
3 import java.time.LocalDateTime
4
5 class Greeter {
6     val currentTime = LocalDateTime.now()
7
8     fun greet(name: String) {
9         println("Hello $name!")
10        println("The time is currently $currentTime")
11    }
12 }
13
14 fun main(args: Array<String>) {
15     println("Briggsy's Awesome App")
16
17     val greeter = Greeter()
18
19     greeter.greet(name = "bob")
20 }
21
```

# Use Case: Mobile Apps

- First-class language on Android
- Kotlin/Java libraries for iOS

# Use Case: Enterprise Web Apps

- Spring Framework (MVC, Data, Security, Cloud)
- Wide DB connectivity via JDBC. Mature ORMs
- Kotlin “Ktor” (full async web server)



# Use Case: Browser-based Apps

- Kotlin/JS - compile Kotlin to JavaScript
- Kotlin/Native - LLVM - compile to WASM

# Why is Kotlin Awesome...

- Type-safety - safe refactoring
- Great DX - focus on DRY
- Mature runtime & frameworks
- OOP or Functional
- Cross-platform
- Open Source

# How do I get involved?...

- Download IntelliJ!
- <https://kotlinlang.org>
- KotlinConf 2018 on YouTube
- kotlin-examples on GitHub
- Kotlin Weekly

# Thanks!

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