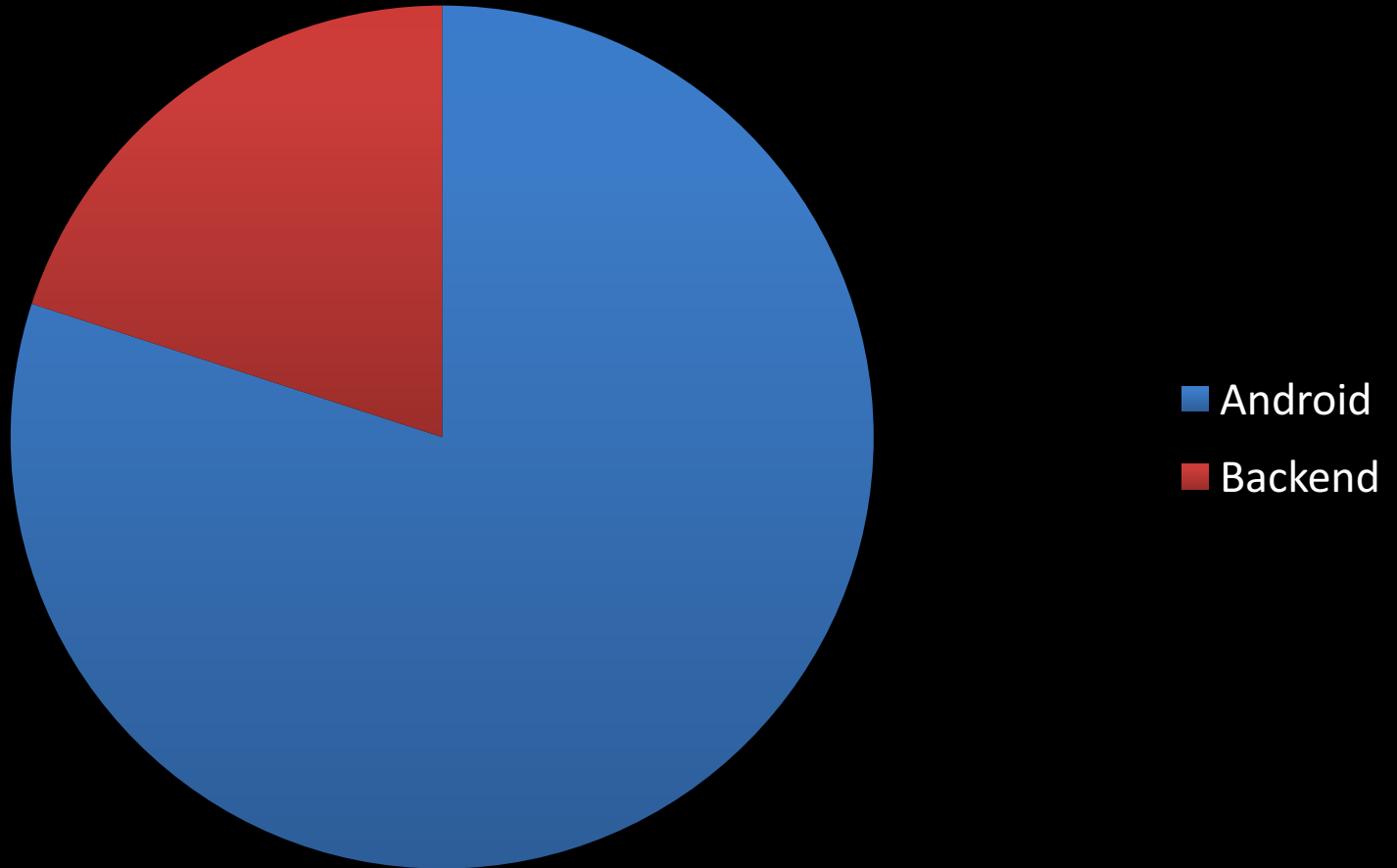


Kotlin + Spring Boot 2

Erik Pragt (@epragt)

Meetup's Kotlin usage



Why Kotlin?

“Spring Boot is a bit more cool with Kotlin*”

* <https://moelholm.com/2017/03/19/spring-boot-a-bit-more-cool-with-kotlin/>

Spring 5



DEMO

Other features

- Functional bean declaration DSL (SPR-15755)
- Array literals
- Null-safety of Spring Framework API (SPR-15540) (JSR-305)
- Kotlin based Gradle build configuration
- Kotlin Script based template

Functional Bean Declaration

```
fun beans() = beans {
    bean<UserHandler>()
    bean {
        Routes(ref(), ref())
    }
    bean<WebHandler>("webHandler") {
        RouterFunctions.toWebHandler(
            ref<Routes>().router(),
            HandlerStrategies.builder().viewResolver(ref()).build()
        )
    }
    bean("messageSource") {
        ReloadableResourceBundleMessageSource().apply {
            setBasename("messages")
            setDefaultEncoding("UTF-8")
        }
    }
    bean {
        val prefix = "classpath:/templates/"
        val suffix = ".mustache"
        val loader = MustacheResourceTemplateLoader(prefix, suffix)
        MustacheViewResolver(Mustache.compiler().withLoader(loader)).apply {
            setPrefix(prefix)
            setSuffix(suffix)
        }
    }
    profile("foo") {
        bean<Foo>()
    }
}
```

```
class Foo
```

Array Literals (Kotlin 1.2)

```
@RequestMapping(method = [RequestMethod.GET])
```

The feature "array literals in annotations" is only available since language version 1.2

Null Safety (JSR 305..ish)

- JSR 305 adds @NotNull etc info to Java code
- Helpful for IDE's, tools like Sonar, and Kotlin
- Spec never implemented fully

