

Kotlin Multiplatform

&



Compose Multiplatform

Shipaton 2026



JETBRAINS

Márton Braun

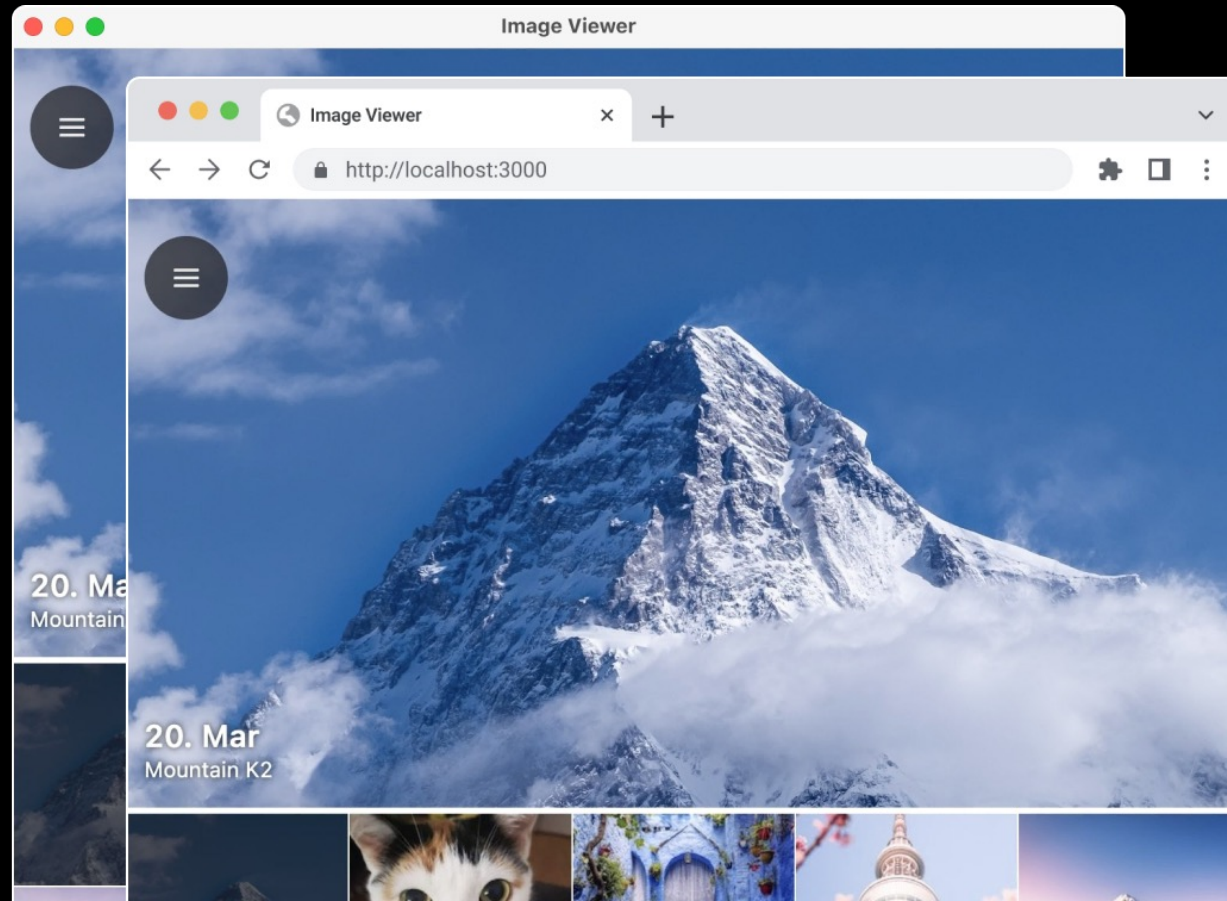
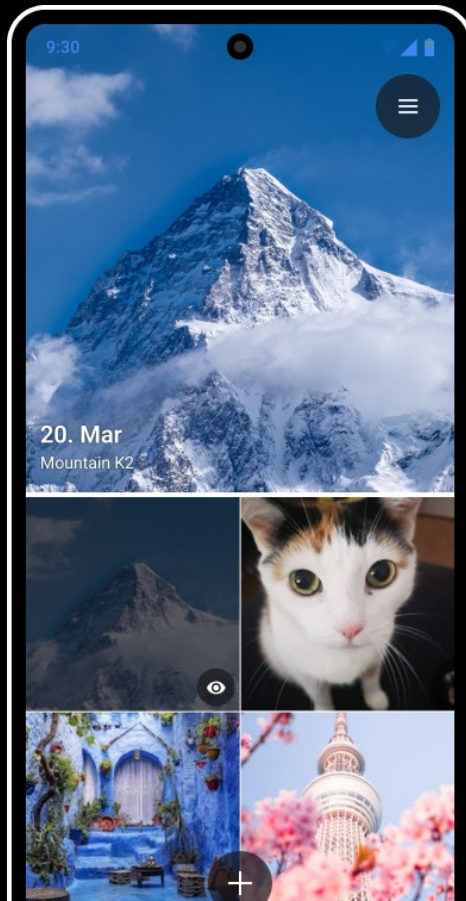
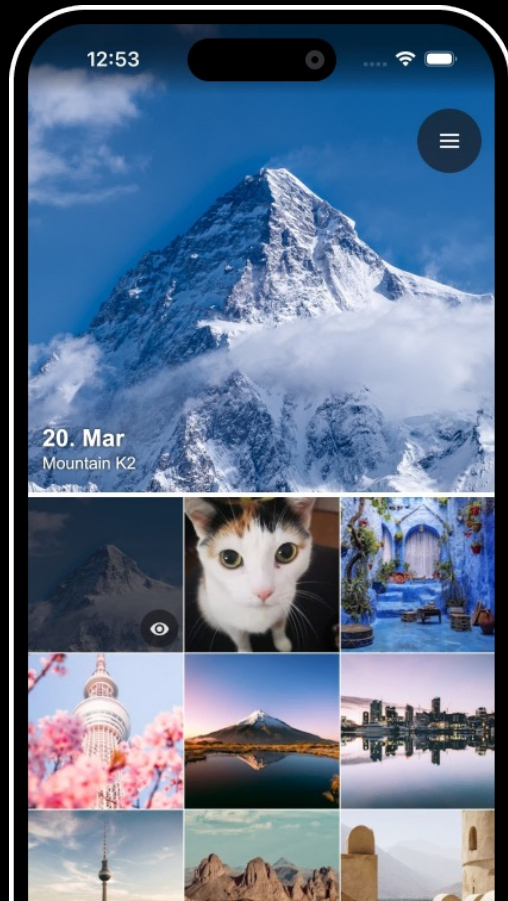
Developer Advocate



Kotlin Multiplatform



Server

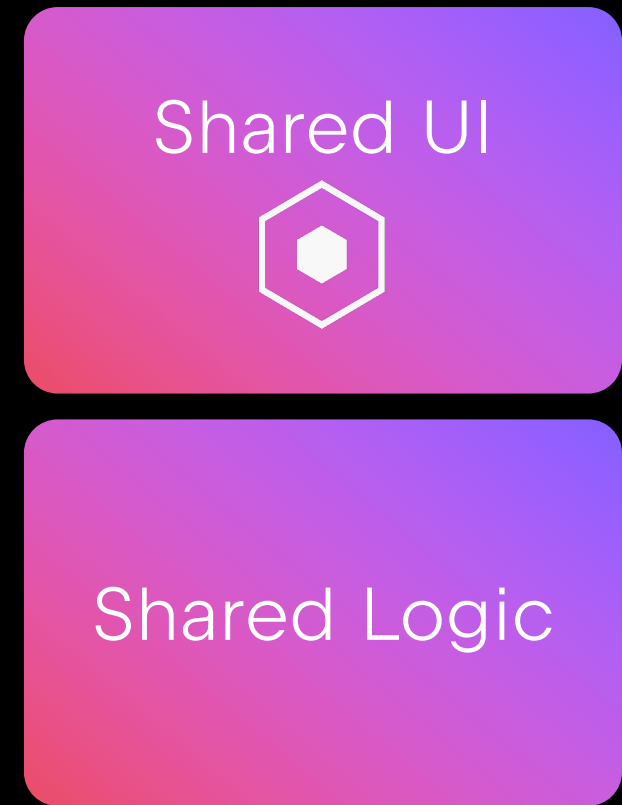
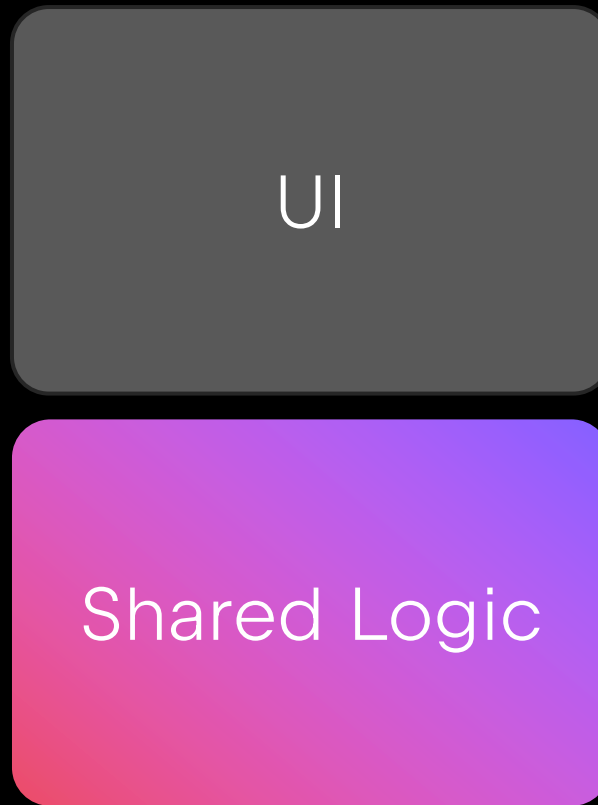
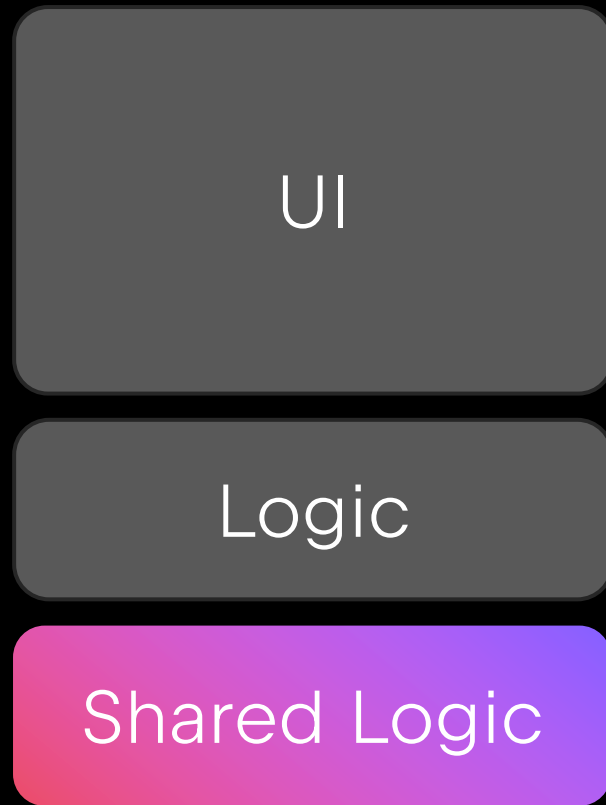


Kotlin Multiplatform in production



jb.gg/kmp-in-production

Flexibility



One codebase

- Write it once
- Review it once
- Bugfix it once
- Always in sync

Shared UI



Shared Logic

Ecosystem

Standard library

kotlinx.coroutines

kotlinx.datetime

kotlinx.serialization

Ktor networking

by JetBrains

DataStore key-value store

Room database

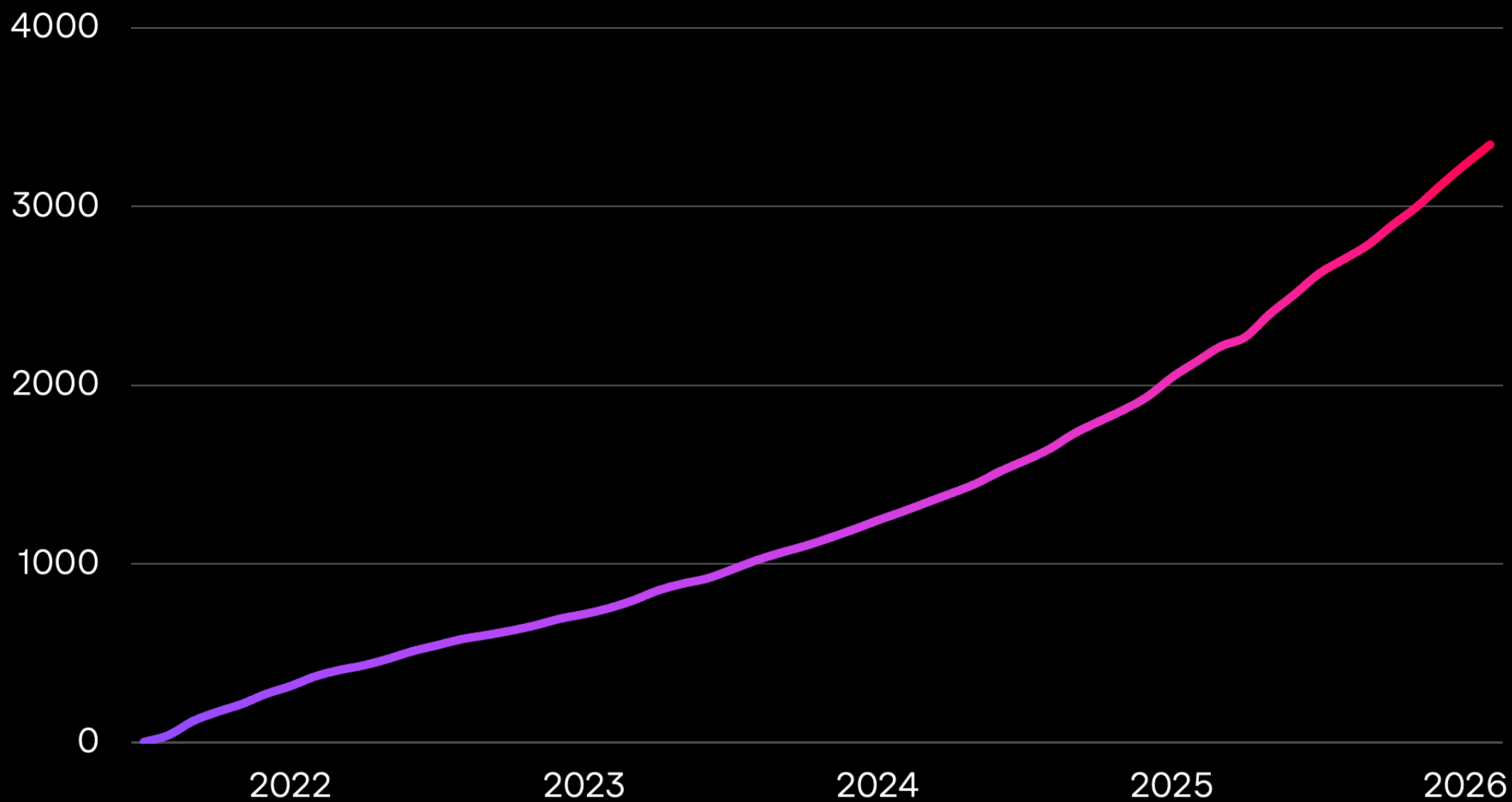
ViewModel

Paging

by Google

Multiplatform libraries

Klibs.io



Access native APIs easily

Common `expect fun getPlatform(): String`

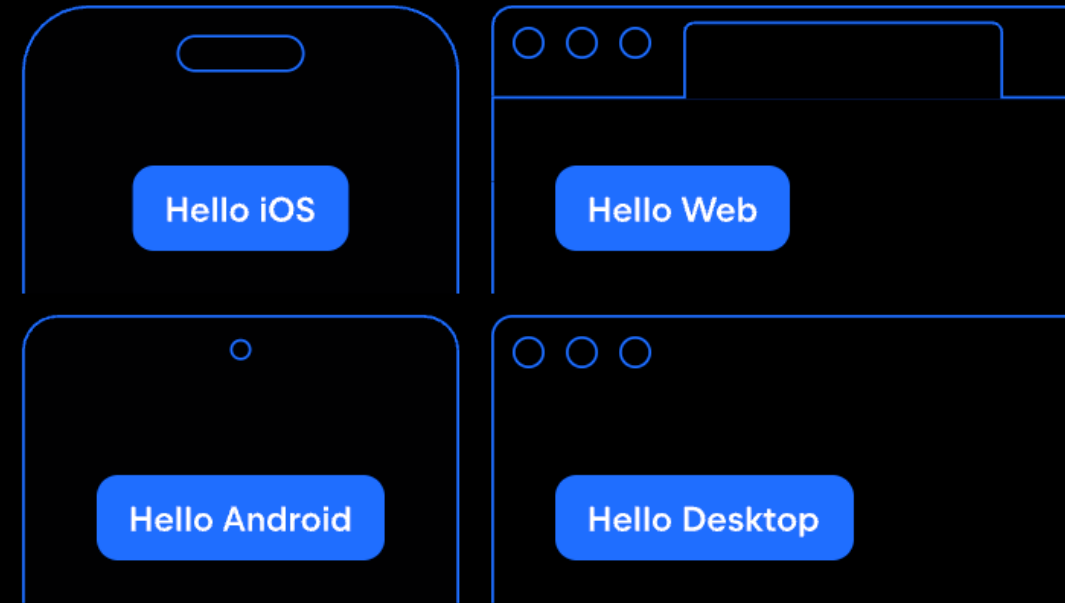
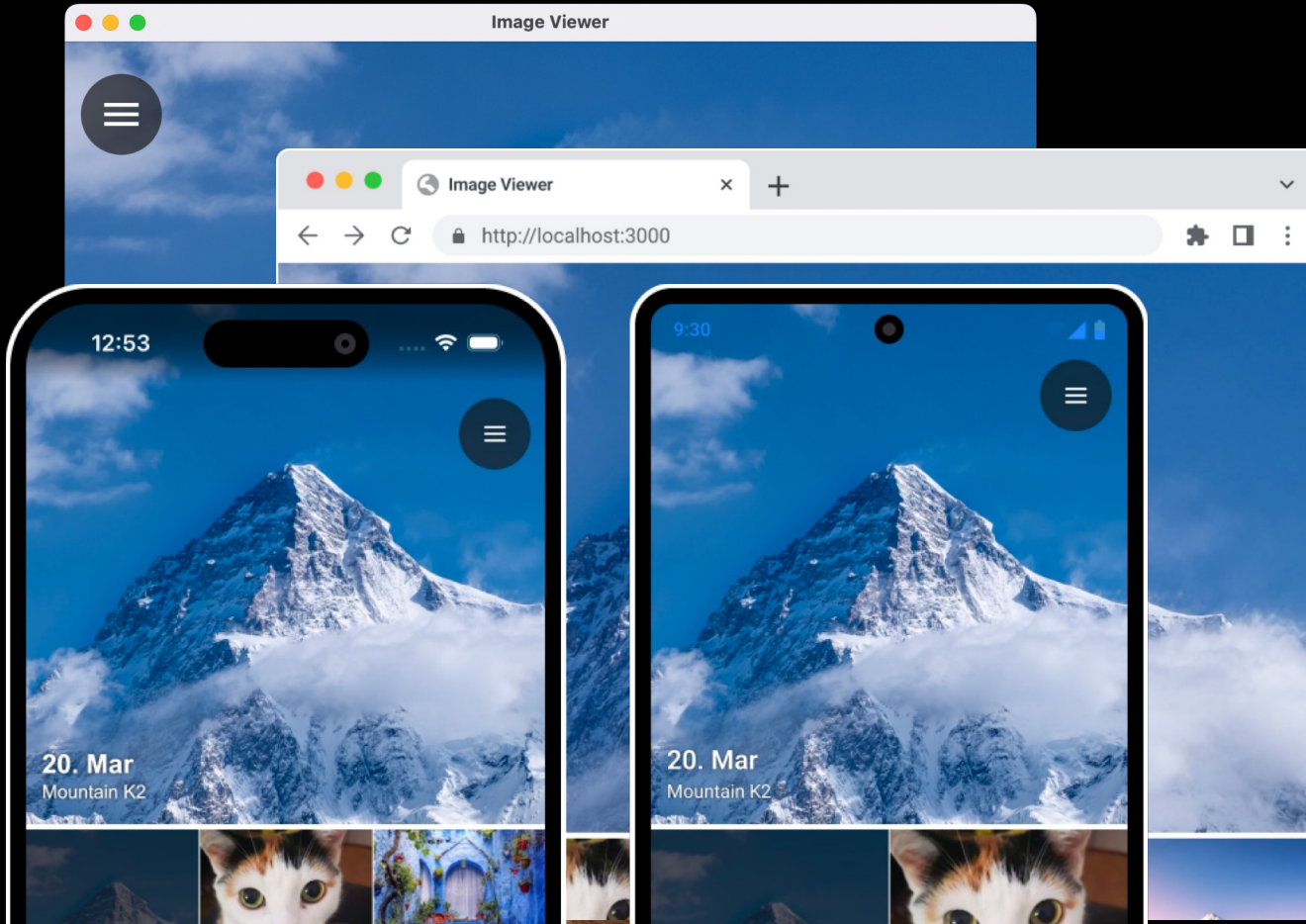
Desktop `actual fun getPlatform(): String =
 "Java ${System.getProperty("java.version")}"`

Android `actual fun getPlatform(): String =
 "Android ${Build.VERSION.SDK_INT}"`

iOS `actual fun getPlatform(): String =
 "iOS ${UIDevice.currentDevice.systemVersion}"`

Compose Multiplatform

jb.gg/compose



```
Button(  
    onClick = {  
        logger.info("Pressed!")  
    },  
) {  
    Text("Hello $platform")  
}
```

Compose Multiplatform



Jetpack Compose
by Google

Android

Compose Multiplatform
by JetBrains

Android, iOS, Web, Desktop

Compose Multiplatform

State handling

Navigation

Previews

Theming

Accessibility

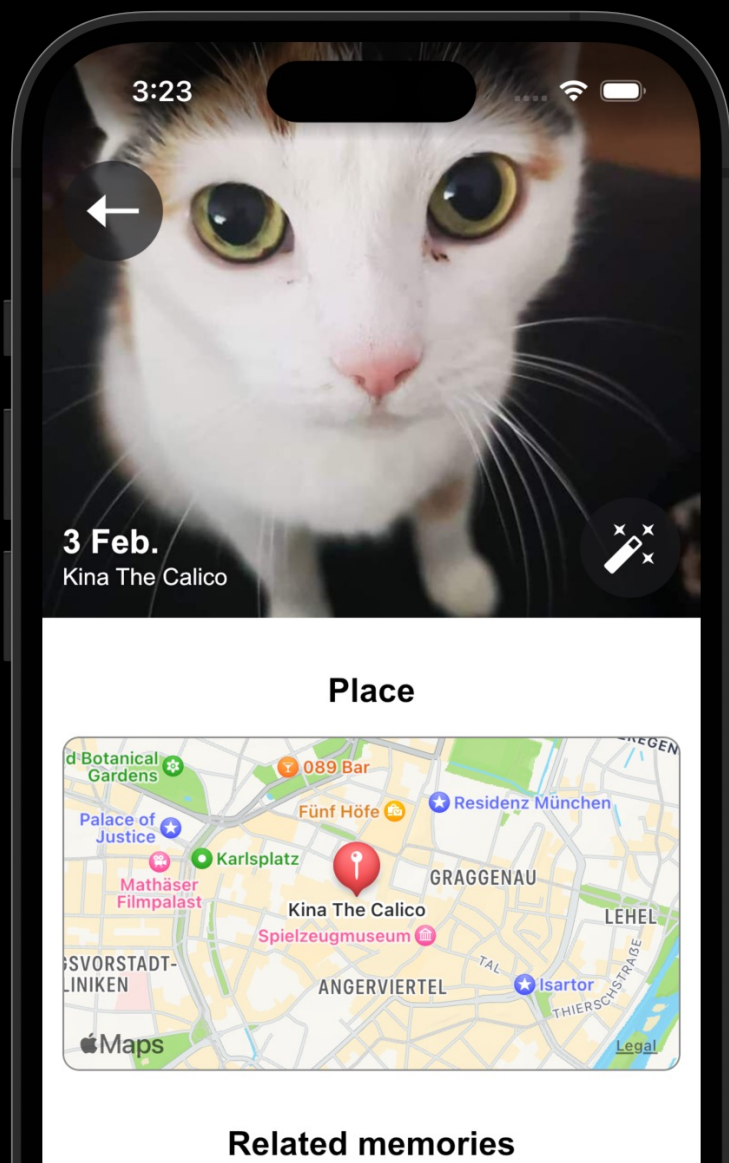
Animations

Interop

Testing

Resources

Interop



Real Liquid Glass! →



Latest iOS goodies

- Swift Export
- SPM import
- Parallel rendering
- Truly native text fields

Compose Multiplatform



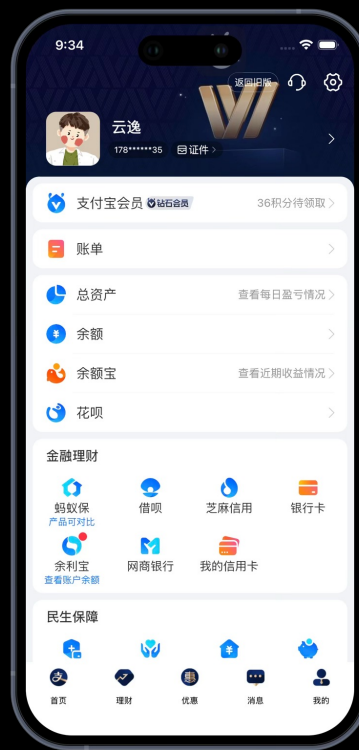
Tencent Video



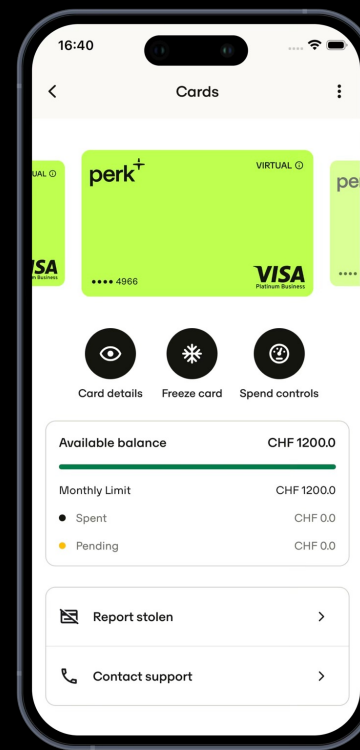
Kuaishou



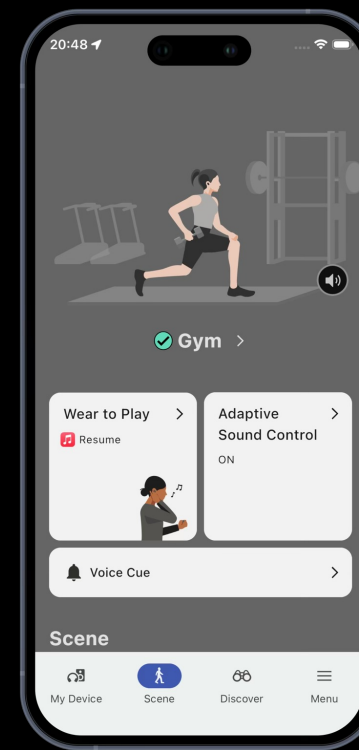
Alipay



Perk



Sony | Sound Connect



Getting started

kotl.in/kmp

IDE & plugin



IntelliJ IDEA
JETBRAINS IDE



Kotlin Multiplatform

262.8665.337-IJ JetBrains



Project wizard

kmp.new

New Project

Java

Kotlin

Groovy

Empty Project

Generators

Maven Archetype

Spring Boot

JavaFX

Quarkus

Micronaut

Jakarta EE

Ktor

Kotlin Multiplatform

HTML

React

Express

Angular CLI

Android

Vue.js

Vite

Nuxt

Multi-module Project

More via plugins...

Name:

Location:
Project will be created in: ~/StudioProjects/MyKmpApp
☐ Create Git repository

Project ID ?

☒ **Android**
With Compose Multiplatform UI framework based on Jetpack Compose

☒ **iOS**
UI Implementation
With Compose Multiplatform UI framework, or use SwiftUI

☐ **Desktop**
With Compose Multiplatform UI framework

☐ **Web**
UI Implementation
With Compose Multiplatform UI framework, or use React

☐ **Server**
With [Ktor](#) framework

☒ **Include tests**

For a list of sample projects, see [Template Gallery](#)

Discover KMP libraries on [klibs.io](#)

?

Cancel

Create



Compose Hot Reload

```
KotlinConfApp ▾  main ▾  app [hot] 🔥  ↻ ⚙️ ⏏️ ⋮ 👤 🔍 ⚙️

main.kt  GoldenKodeeScreen.kt ×  ⋮ ☰ 📄 🖨️ ⋮

68  fun GoldenKodeeScreen(
77  ) { this: ColumnScope
83      BoxWithConstraints(
84          Modifier
85              .fillMaxSize()
86              .clipToBounds()
87      ) { this: BoxWithConstraintsScope
88      |
89
90  >      LazyVerticalStaggeredGrid(...) { this: LazyStaggeredGridScope
99  >          item(span = StaggeredGridItemSpan.FullLine) {...}
111         for (category in categories) {
112             item(
113                 key = "header-${category.id.id}",
114                 span = StaggeredGridItemSpan.FullLine,
115             ) { this: LazyStaggeredGridItemScope
```

KotlinConf

Schedule Speakers Golden Kodee Map Info

Golden Kodee Community Awards

Creativity

**Chris Horner**
Finalist
A design driven developer, Chris likes building the best experiences he can. He currently works on Design Systems at Cash App. An author of Persona IM - a reimplement of the Instant messaging app seen in Persona 5 for Android using Compose UI.

**James Cullimore**
Finalist
Software and mobile developer (Java, Kotlin, Android, Fullstack). Open source creator (StreamingYorkie, WiFiWizard, DontGoToBed). Built apps like hangrohe home and lexoffice. Freelancer, Android instructor, writer, MMA practitioner.

**Nicole Terc**
Finalist
Mexican that self taught herself to code. Nicole has been fooling around with the mobile ecosystem for more than 10 years. She likes making things move and shine on the screen; and then talk about it. Other passions are games, stories and sheep!

Online Presence

**Ivan Canet**
Finalist
Ivan started learning Kotlin 2017 with the intention of sharing code between Android and web clients via KotlinJS. Ivan deployed his first KotlinJS application to production in 2022. His main pastime is creating Kotlin Multiplatform libraries.

**Jaewoong Eum**
Finalist
ODE for Android & Firebase (prev Kotlin), a book author, and currently works as a Senior Developer Advocate & Engineer at RevenueCat. Created over 100 open-source libraries and projects, which have achieved +15 million downloads annually.

**Kyriakos Georgiopoulos**
Finalist
Staff Android Engineer at Skroutz (Greece) with 11+ years of experience. Kyriakos builds server-driven UIs and advanced Jetpack Compose animations, shares weekly content with 9K+ followers, and contributes through mentoring and public speaking.

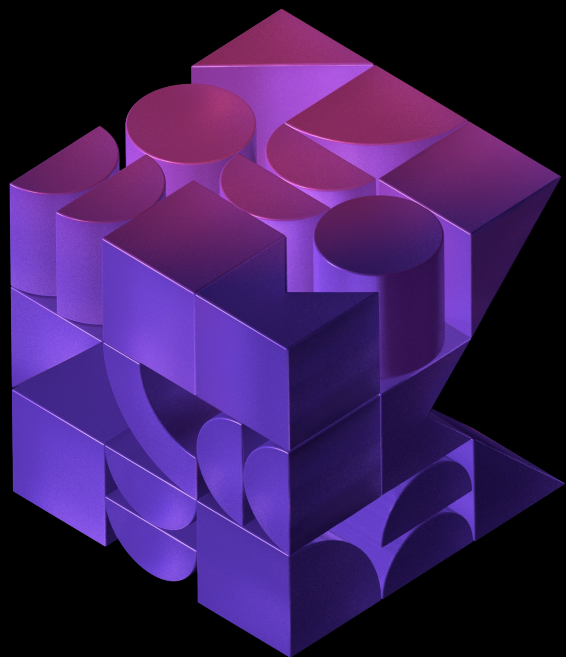
Kotlin Toolchain

New!

```
sdk install kotlintoolchain  
kotlin init  
kotlin run
```

KMP & CMP 101

Shipaton 2026



Márton Braun

@zsmb13

zsmb.co/talks

Kotlin Multiplatform

jb.gg/kmp

Compose Multiplatform

jb.gg/compose

Kotlin Toolchain

kotlin.in/install

