



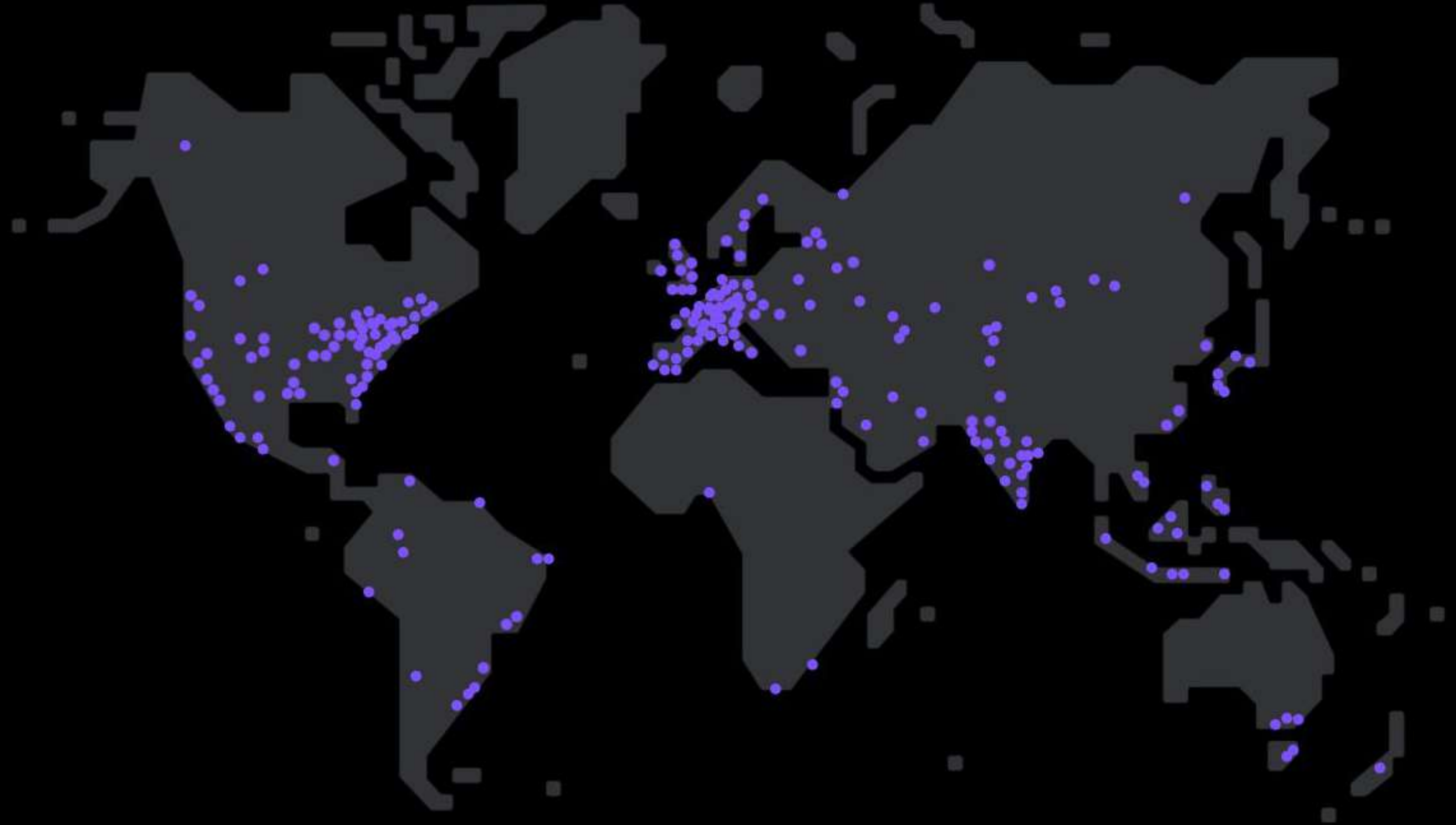
Kotlin for Education

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Over 320 top universities teach Kotlin



Kotlin in the business world

 **Alibaba**

Baidu  **百度**

 **Meituan**

 **携程旅行**

Google

NETFLIX

VISA

twitter 

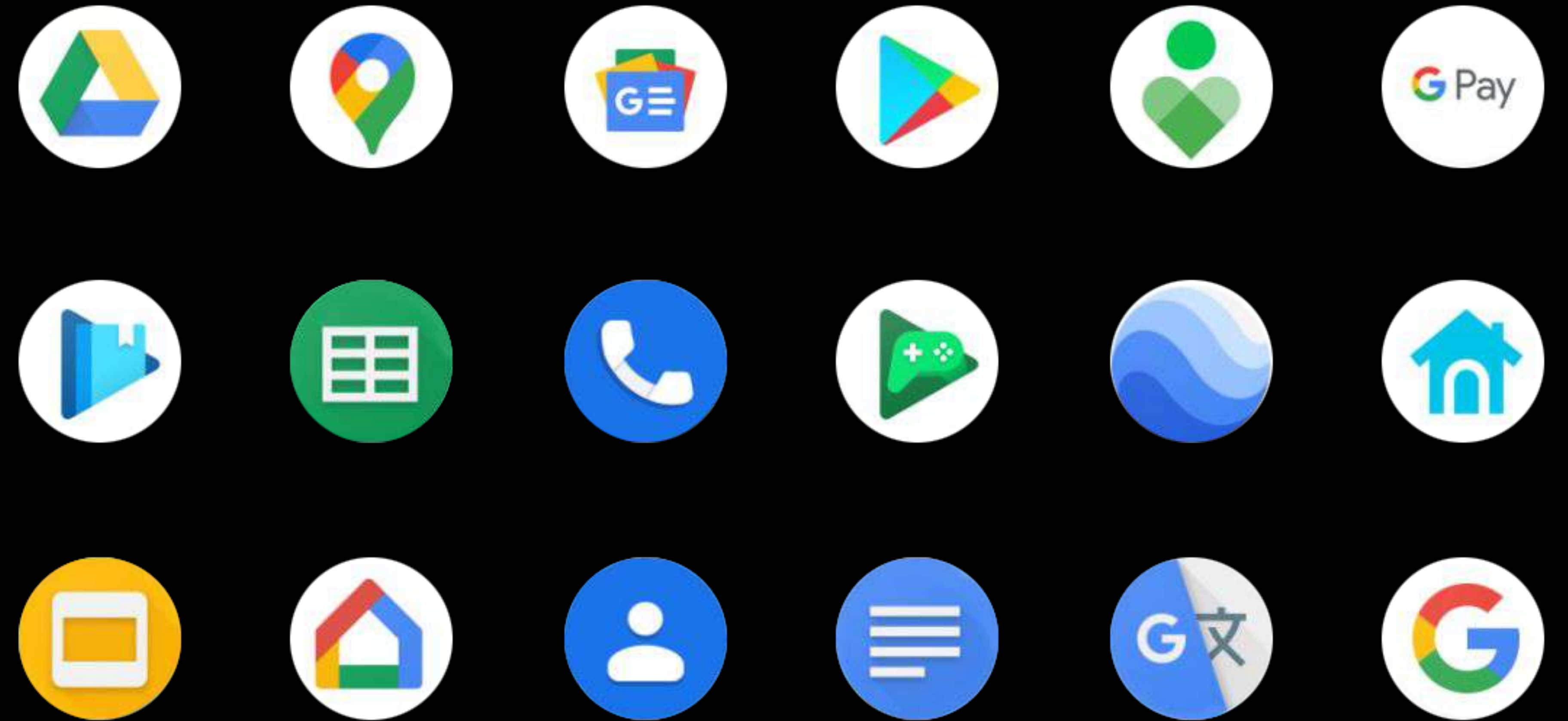
 **快手**



 **reddit**

Kotlin @ Google

70 apps
and
counting



Source: Google Internal Data,
August 2022

Kotlin & Android

- 2011: Beginning of Project Kotlin
- 2016: Kotlin 1.0
- 2017: Official Kotlin support on Android
- 2019: Android is “Kotlin first”
- 2022: 95% of the top 1K Android apps use Kotlin



Kotlin is here to stay.

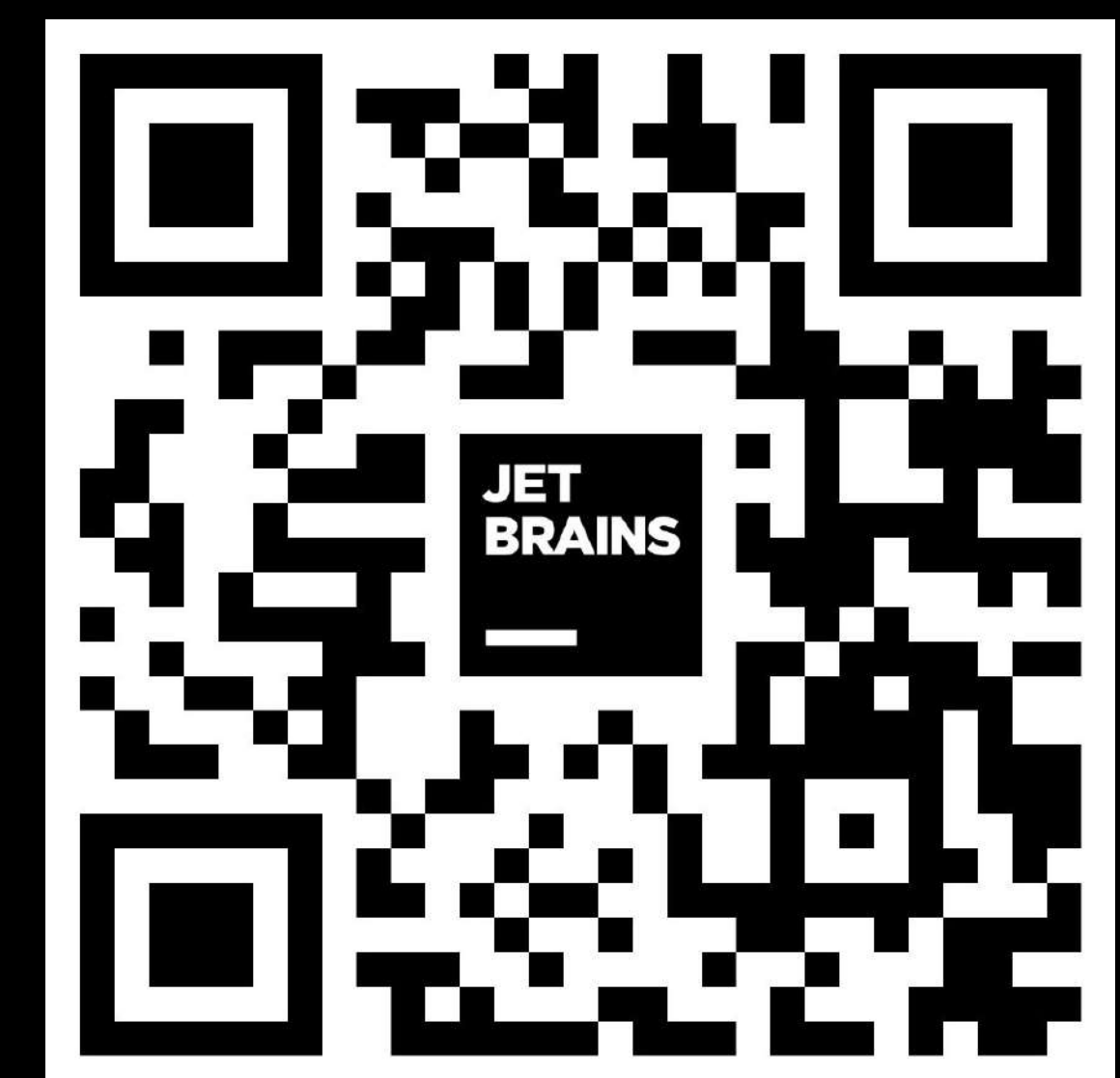
Kotlin Multiplatform

- Kotlin Multiplatform is stable and production-ready.
- Blurs the boundaries between cross-platform and native development
- Seamless integration of shared Kotlin code into any project
- Baidu (百度), Kuaishou (快手), Netflix, Philips, McDonald's, among early adopters
- Possible to share all application logic across mobile, desktop, web, and TV while maintaining native UIs

Kotlin Multiplatform Contest

- For students and recent graduates
- Contestants build cross-platform projects using Kotlin Multiplatform technology
- Top three win trips to KotlinConf'24 in Copenhagen, Denmark!
- Authors of all valid entries will receive neat Kotlin souvenirs
- Submission deadline: January 15, 2024

kotlinconf.com/contest



Kotlin characteristics

- 100% interoperable with Java
- Multiparadigm
- General-purpose programming language
- Modern, concise, expressive, safe

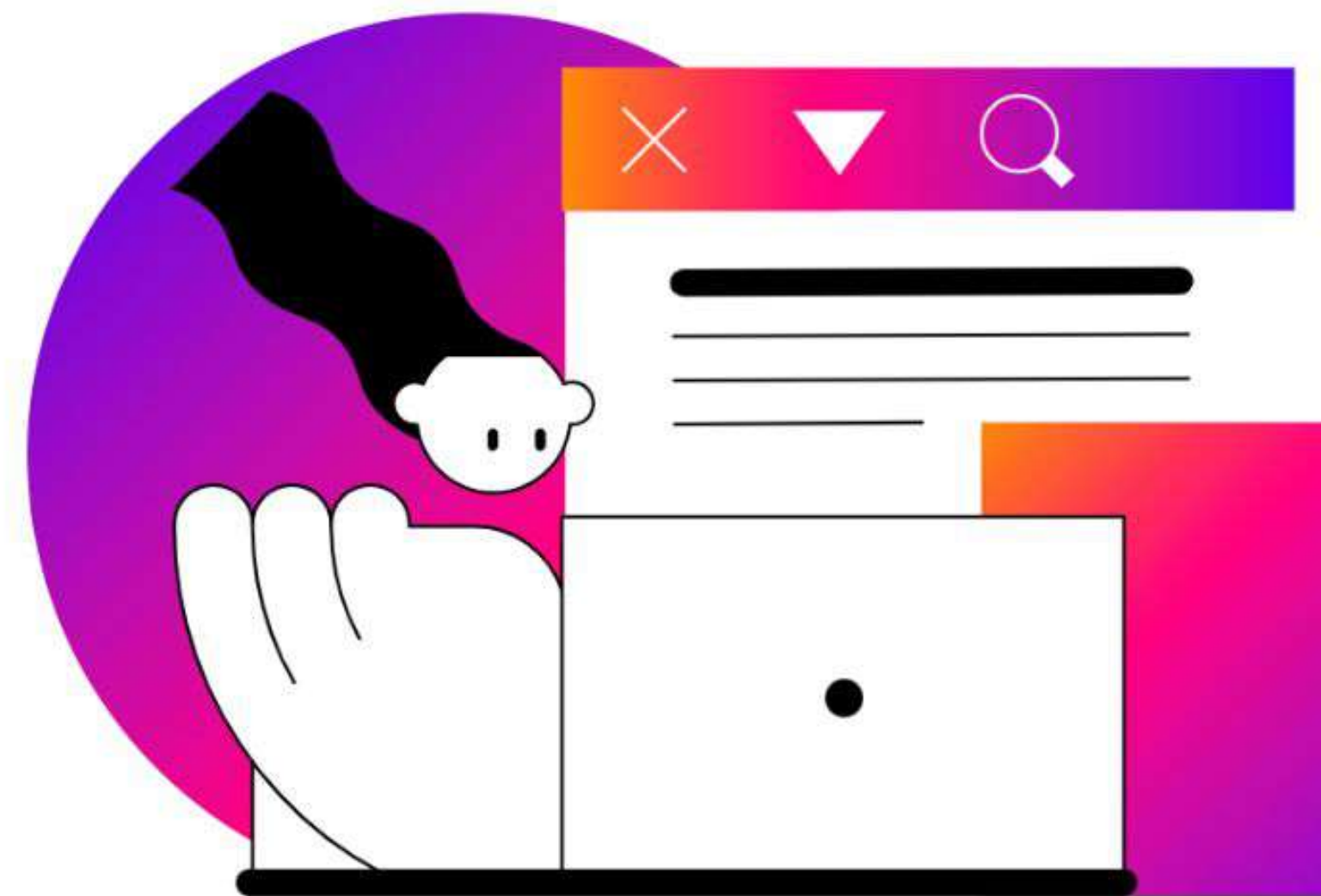
Beyond the language: Kotlin tooling

- IntelliJ IDEA (& Android Studio)
 - Award-winning IDE
 - Quick-fixes, hints, code inspections
 - Refactoring assistance
 - “Code walk” functionality, navigating to symbols
 - Alternative editor plugins available

Free educational licenses

免费教育许可证

使用 JetBrains 一流的开发工具学习或教授编程!



适用于学生和教师 适用于学校和大学 适用于培训课程和训练营



Kotlin for Education

Teach Computer Science with Kotlin

The Programming in Kotlin course is a comprehensive toolkit for teaching Kotlin and can be easily customized to align with specific educational needs. The course comes with slides, lecture notes, and assessment resources.

[Download all materials →](#)

Lecture slides

[Introduction to Kotlin ↗](#)

[Object-oriented programming ↗](#)

[Generics ↗](#)

[Collections ↗](#)

[Functional programming ↗](#)

[Build systems ↗](#)

[Parallel and concurrent programming ↗](#)

[Asynchronous programming ↗](#)

[JVM + the Kotlin compiler ↗](#)

[Exceptions ↗](#)

[Testing ↗](#)

Syllabus ↗

Assessment resources

[Quizzes ↗](#)

[Homework assignments ↗](#)

[Tests ↗](#)



kotlinlang.org/education

Beyond the language: Kotlin resources



Start Teaching Kotlin with These Resources

Get started

[Tour of Kotlin ↗](#)

[Kotlin Onboarding ↗](#)

[Programming in Kotlin course materials ↗](#)

Atomic Kotlin:

[Hands-on exercises ↗](#)

[Course project ↗](#)

[Educator start guide ↗](#)

[Kotlin curriculum for beginners ↗](#)

[Kotlin tracks by JetBrains Academy ↗](#)

Tools

[Free educational licenses for students and teachers ↗](#)

[JetBrains Academy plugin ↗](#)

[Java-to-Kotlin converter ↗](#)

[Code With Me ↗](#)

Online Courses

[Introduction to Kotlin Programming ↗](#)

[Advanced Kotlin ↗](#)

[Programming Kotlin for Java Developers ↗](#)

Android in Kotlin

[Android Basics with Compose course ↗](#)

[Android Development with Kotlin course ↗](#)

Practice Kotlin

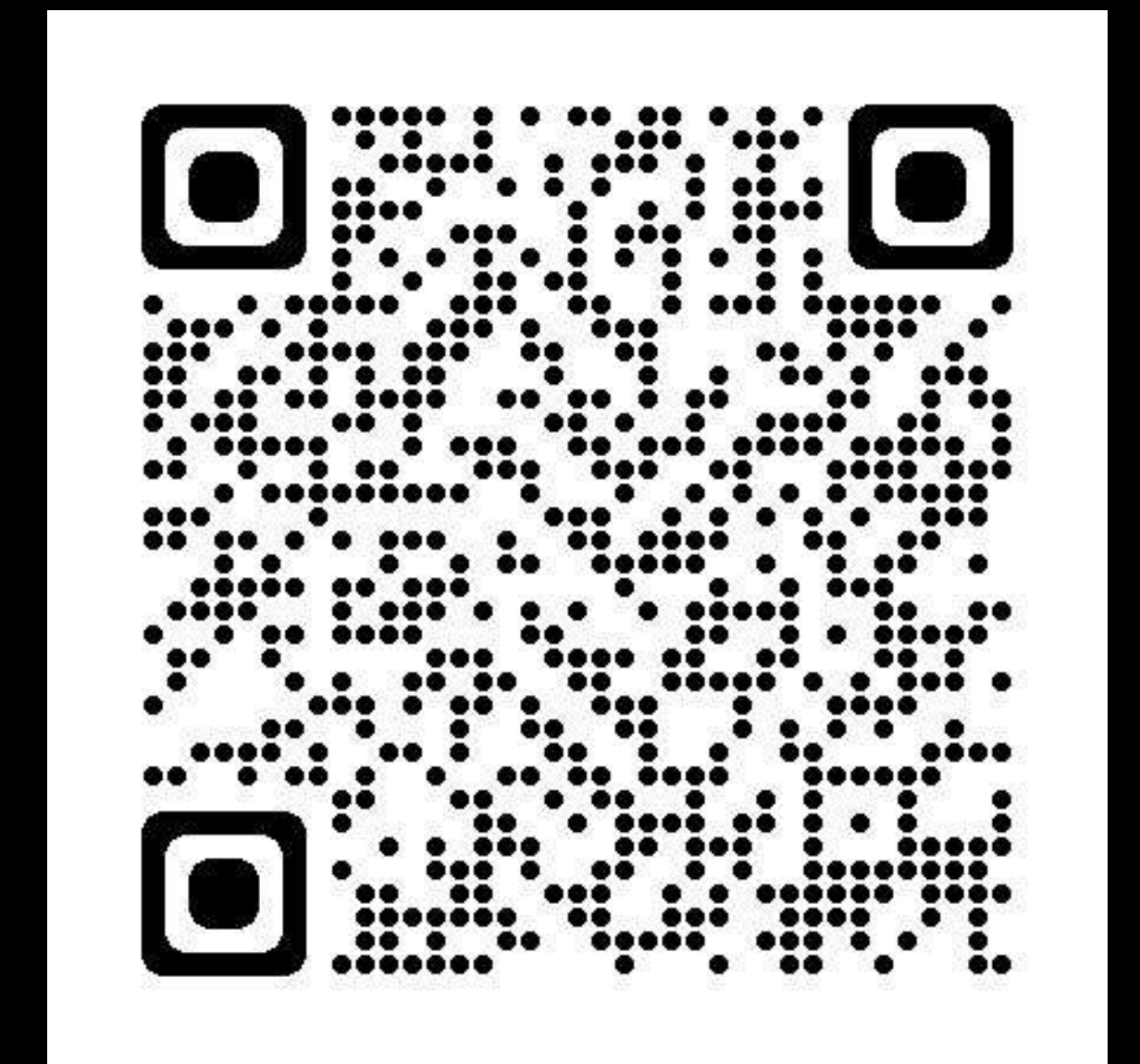
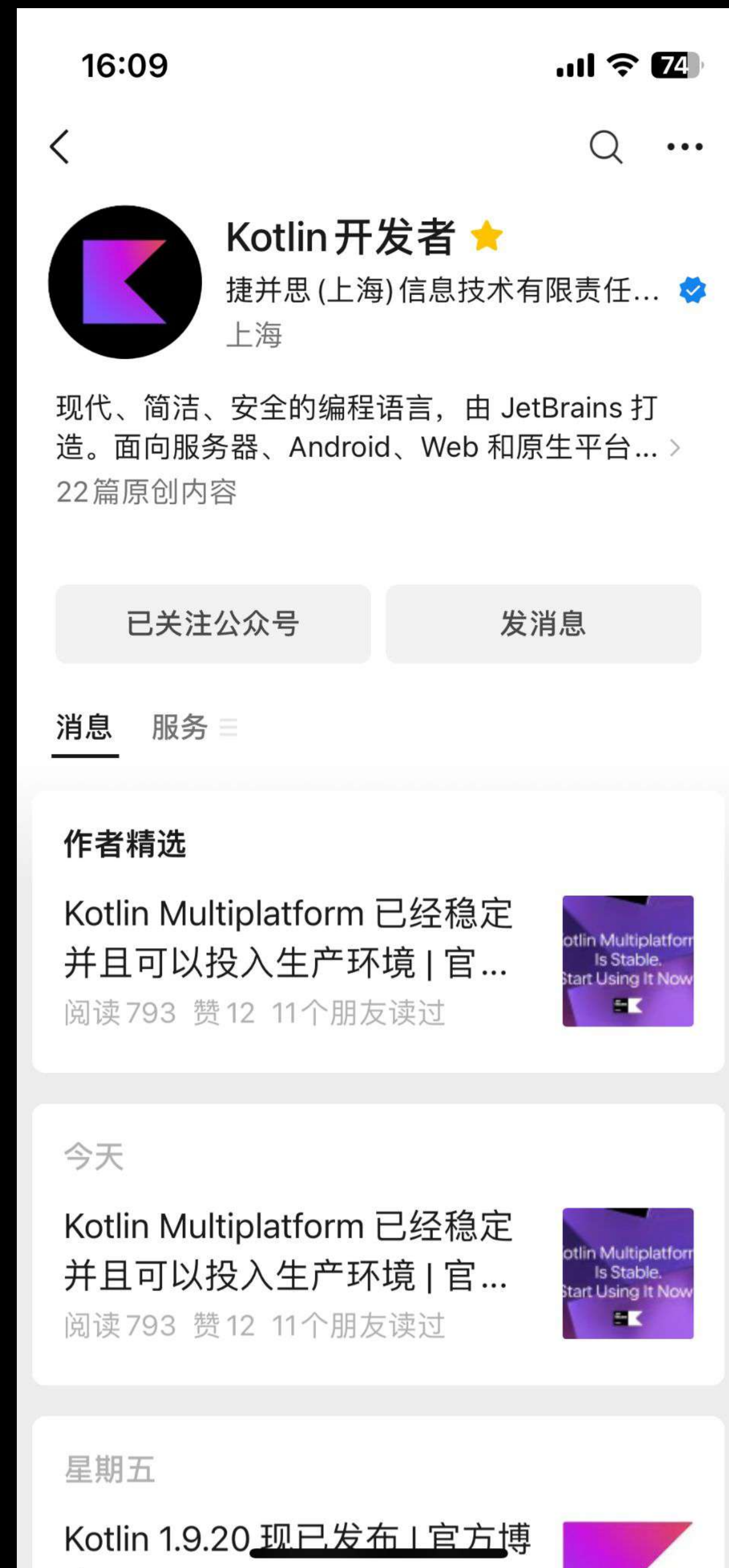
[Koans](#)

[Kotlin Heroes](#)

[Solve Advent of Code Puzzles](#)

kotlinlang.org/education

Kotlin on Bilibili and WeChat



Kotlin in competitive programming

- JetBrains is the ICPC Global Tooling Sponsor.
- Kotlin is one of the official languages of the ICPC.
- Some of the world's top programmers use Kotlin for competitive coding.
- Leetcode supports Kotlin 1.9.0.
- Kotlin Heroes contests run on Codeforces.

Advent of Code in Kotlin

- Solving Christmas-themed algorithmic problems in Kotlin for 24 days, starting on Dec 1, 2023
- Livestreaming solutions on Kotlin by JetBrains YouTube channel
- Join us and compete for the prizes!

kotl.in/advent

Join the conversation

announcements Welcome to Slack. The topic is Kotlin. Be Kind. Be ... 58,002 Canvas

Tuesday, November 7th

Maria Krishtal [JetBrains] 5:52 PM

We're launching a preview of Kotlin Multiplatform support in JetBrains Fleet!

Explore the new tooling that streamlines development of multiplatform apps in a single IDE and offers an array of awesome features.

- 🌟 **Simplicity:** Run Configurations for the Android and/or iOS platforms created automatically, when you open a multiplatform project.
- 🌟 **Polyglot programming:** No need to switch to a different editor or compromise usability when working with the native code in your multiplatform project.
- 🌟 **Swift-Kotlin cross-language support:** Fleet provides cross-language code navigation, refactoring, and debugging.

It's still very early days for Kotlin Multiplatform Tooling in Fleet. We invite you to try it out and share your experiences, questions, and feedback here or in our dedicated [#fleet](#) channel.

[Dive into our blog post](#) for more insights.

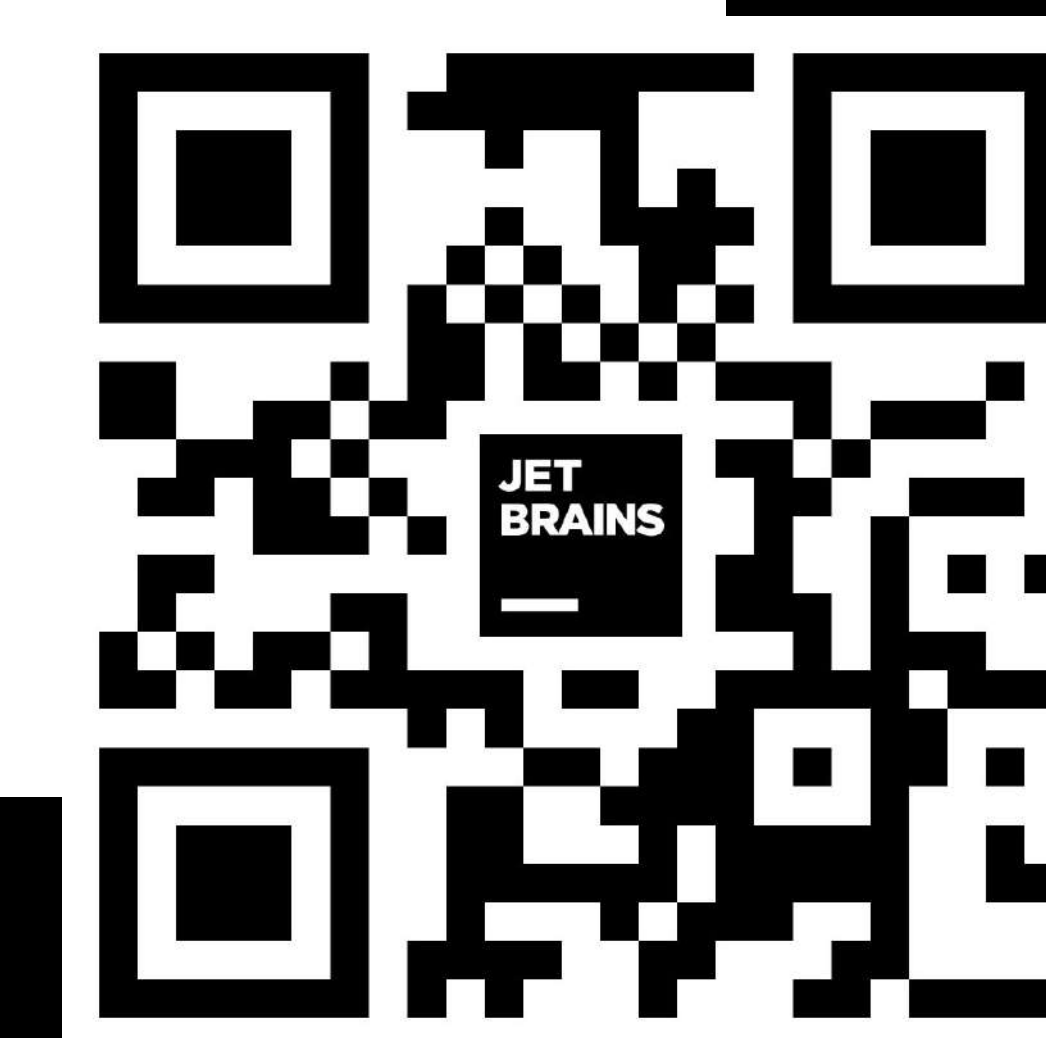
The JetBrains Blog

[Welcome Fleet with Kotlin Multiplatform Tooling | The Kotlin Blog](#)

Welcome Kotlin Multiplatform support in Fleet, which simplifies the development of multiplatform applications. (Not automatically expanded because 2 MB is too large. You can [expand it anyway](#) or [open it in a new window.](#)) ▶

48 17 13 13 6 5 2

12 replies Last reply 5 days ago



kotl.in/slack

Thanks, and enjoy Kotlin!

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