

Kotlin Foundation Annual Report'24

kotlinfoundation.org

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Jeffrey van Gogh

On behalf of
the Kotlin Foundation Board

2024 has been a period of growth and evolution for the Foundation. We expanded our membership, welcoming new Silver Members, including Kotzilla and Uber, which strengthens our collective ability to drive meaningful initiatives to ensure Kotlin remains a modern, reliable, and thriving ecosystem. The Foundation has continued its commitment to supporting the Kotlin ecosystem through various programs. The Grants Program enabled new and existing projects to flourish, ensuring innovation and progress. The Kotlin Multiplatform Contest provided students and recent graduates with opportunities to showcase their talent and contribute to real-world applications. These initiatives reinforce our dedication to fostering an open and collaborative community.

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Making an Impact

Kotlin adoption continues to rise across industries, reflecting its versatility and developer-friendly nature.

Our efforts to support the language's growth have been met with enthusiasm, with increased engagement from contributors, organizations, and the broader community. By maintaining strong ties with industry partners and open-source maintainers, we ensure that Kotlin remains well-supported and future-ready.

A Look Ahead

As we move forward, our focus remains on strengthening the Kotlin ecosystem through continued investment in open-source development, educational initiatives, and broader community engagement.

We will continue fostering collaboration among developers, organizations, and educators to ensure Kotlin remains a powerful and accessible tool for modern software development.

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We have a few new programs in the pipeline that we hope to launch in 2025, so follow us on [Bluesky](#), [X](#) or [LinkedIn](#) for the latest updates.

We are incredibly grateful to all our members, contributors, and the Kotlin community for their support and dedication. Together, we will continue to build a strong and sustainable future for Kotlin.



Jeffrey van Gogh

On behalf of
the Kotlin Foundation Board

Our mission is to promote and advance the Kotlin ecosystem. We oversee breaking changes in the language, protect the Kotlin trademark name, promote creation of Kotlin Multiplatform libraries, and increase the adoption of Kotlin in education

Founding members



Silver members



Board of Directors



Hadi Hariri
JetBrains



Egor Tolstoy
JetBrains



Grace Kloba
Google



Jeffrey van Gogh
Google



Jeffrey Namnum
Touchlab



Werner Dietl
Independent Director

Committees

Language
committee

Ecosystem
committee

Education
committee

Trademark
committee

Operating
committee

Marketing
committee

New

In 2024

We repeated the Kotlin Multiplatform contest for students with **32** submissions and **3** winners, who visited KotlinConf'24 in Copenhagen

We welcomed Uber and Kotzilla as new Foundation members

We took part in Google Summer of Code 2024 as a mentor organization and worked with **4** projects

We ran another round of the grants program, with **59** applications. Each of the **5** winners received financial support of **\$6K**

We received **\$182K** from Foundation members for supporting the advance of Kotlin and its ecosystem

2.5M

developers regularly write Kotlin code, and 92% of them enjoy using the language!

5

Kotlin is the fifth-fastest-growing language on GitHub, according to Octoverse 2024

1.65M

GitHub repositories currently use Kotlin as their primary language

400+

universities all over the world are teaching Kotlin

Members of the Kotlin Foundation are dedicated to advancing and broadening the Kotlin ecosystem. Besides actively participating in the Foundation's activities, they adopt Kotlin in their codebases and contribute meaningful projects to the community

In 2024, we achieved significant milestones in advancing Kotlin's capabilities. The release of Kotlin 2.0 introduced the stable K2 compiler, enhancing performance and laying a robust foundation for future development. Additionally, Compose Multiplatform for iOS progressed to Beta, offering developers a more seamless cross-platform UI toolkit. These developments underscore our commitment to delivering efficient, versatile tools that empower developers across all platforms.



Hadi Hariri
JetBrains

Google has many engineers contributing to Kotlin open source efforts. For the Library ecosystem, we released KMP versions of multiple Jetpack libraries including Room, DataStore, ViewModel, SavedState. For the Kotlin Compiler, we made large contributions to reduce Kotlin Native memory consumption as well as a host of K2 readiness improvements including Android Studio and Android Lint integration.



Matt Dyor
Google

At Gradle, we continue to invest in the Kotlin ecosystem, build tools, and developer productivity to ensure the best possible developer experience with Gradle Build Tool and Develocity for Kotlin, KMP, and Android projects. Last year, Kotlin became the default DSL for defining builds. We also leverage the best learnings from Kotlin DSL in the new Declarative Gradle projects. We're proud to participate in the Kotlin Foundation and support the Kotlin projects and their ongoing success. See you at Kotlinconf 2025!



Piotr Jagielski
Gradle

At Uber we're committed to advancing the Kotlin ecosystem. We've worked closely with Kotlin Foundation partners on language migration and tooling innovations to drive large automated migrations, improved Kotlin and Compose usage with Bazel, contributed to key open-source projects in the community, provided language and tooling feedback around Kotlin needs in a large-scale business, and represented our work in several public conferences..



Ty Smith
Uber

We continue to improve how mobile teams leverage KMP in production at scale. As the shared-library model matured with the release of KMMBridge 1.1.0, we introduced the shared-source model and launched GitPortal, allowing mobile teams to collaborate more closely and get more value from KMP.



Justin Mancinelli
Touchlab

At Shopify, we're committed to advancing mobile app development through a significant investment in Kotlin, particularly Kotlin Multiplatform. It powers some of our most critical features that are used by millions of users. We're working closely with JetBrains, providing feedback on language features and tooling, and helping improve the experience of using Kotlin Multiplatform at scale.

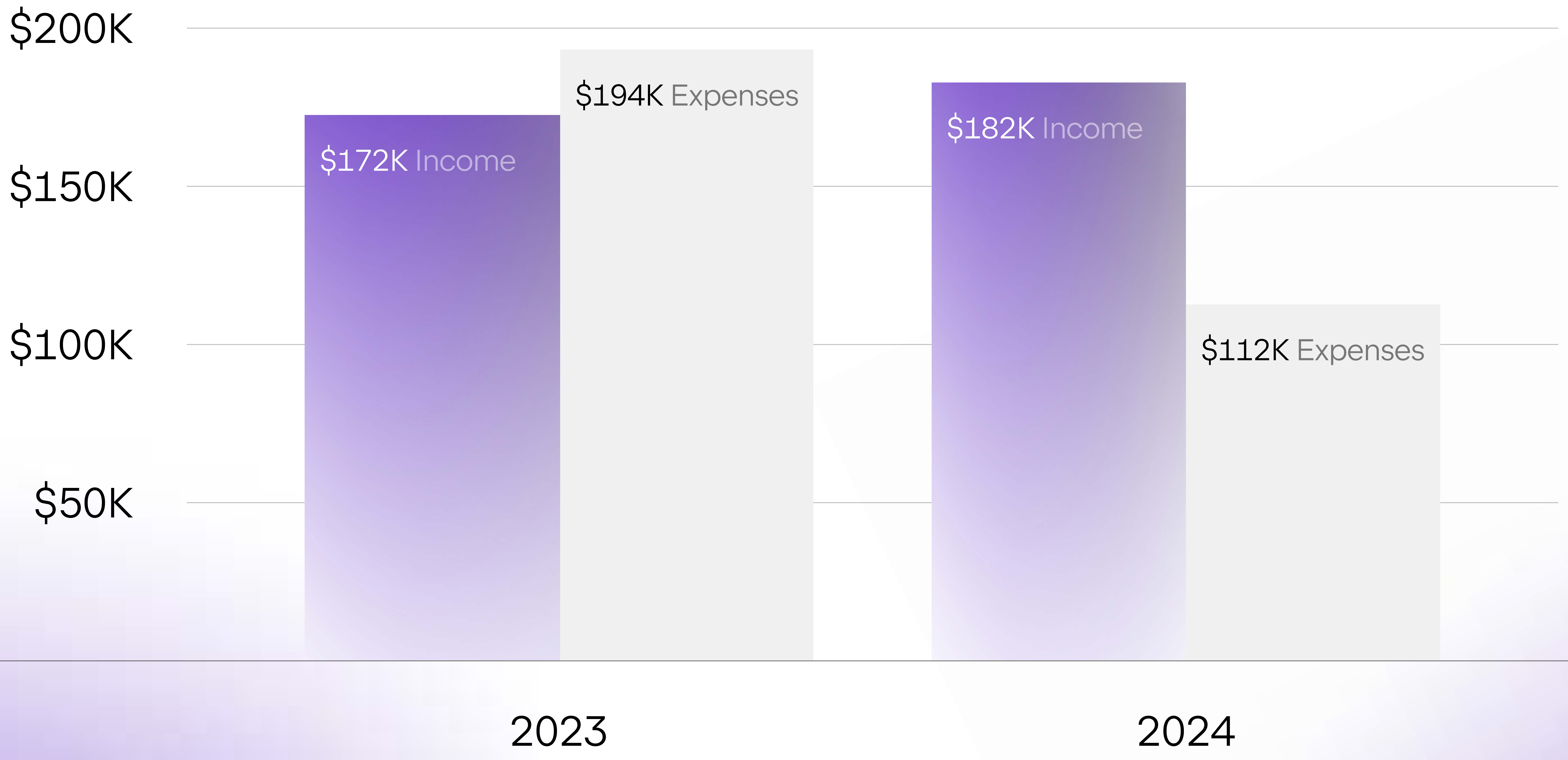


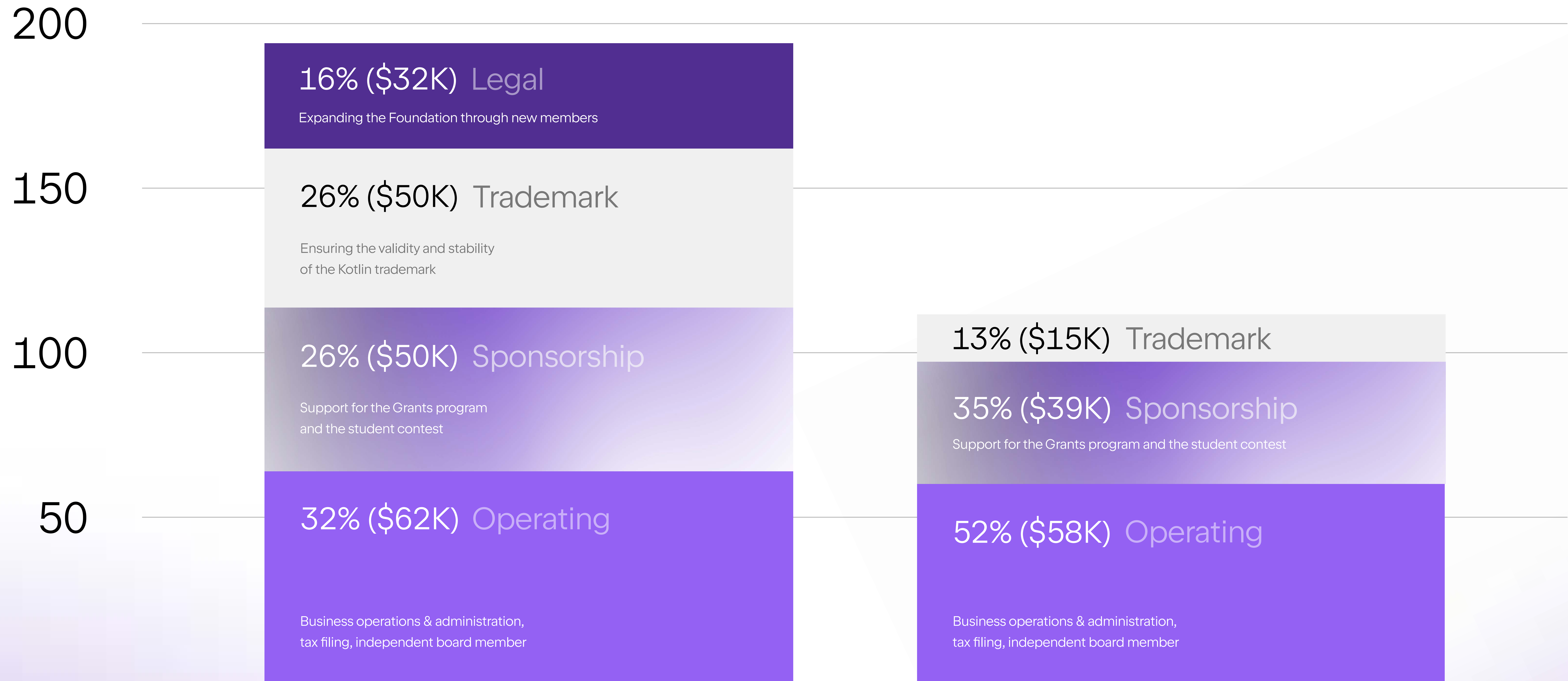
Mustafa Ali
Shopify

We couldn't be more excited about helping shape Kotlin's future alongside these partners. You might know us from Koin, our much-loved Kotlin-first DI framework. In 2024 we started expanding our toolset with the Kotlin dev in mind by developing the Koin IDE Plugin & the Kotzilla Platform. Both tools enhance Kotlin development through containerized data collection and automated analysis, helping teams build better Kotlin applications faster.



Arnaud Giuliani
Kotzilla





Work performed by board and committee members, with the exception of the Independent Director, are not remunerated

2023

2024

In the second round of the grants program, we received **59** applications, and **5** library authors were selected as winners. Each received financial support of **\$6K** USD and recognition from the Foundation.

The grants were aimed at supporting high-value libraries that the committee identified as exemplary contributions to the Kotlin community, particularly in the area of Kotlin Multiplatform.

↗Konsist

A linter that ensures consistency in Kotlin projects.

↗Ultron

A framework for developing UI tests for Android and Compose Multiplatform.

↗Orbit MVI

A simple MVI framework for Kotlin Multiplatform.

↗Multiplatform Settings

A library for key-value data persistence in shared code.

↗Compose Rich Editor

A customizable text editor for Compose Multiplatform.

Konsist started as a passion project to help teams maintain structural consistency in their Kotlin codebases. Instead of relying on verbal agreements, we created a tool that lets developers define architectural rules as readable tests that automatically catch violations. What makes Konsist exceptional is how it enforces custom project-specific patterns, from data class structures to architecture boundaries. Receiving the Kotlin Foundation Grant was a powerful validation of our vision and provided the momentum to transform Konsist into a production-ready tool. The support and recognition from the Kotlin community have been truly inspiring.



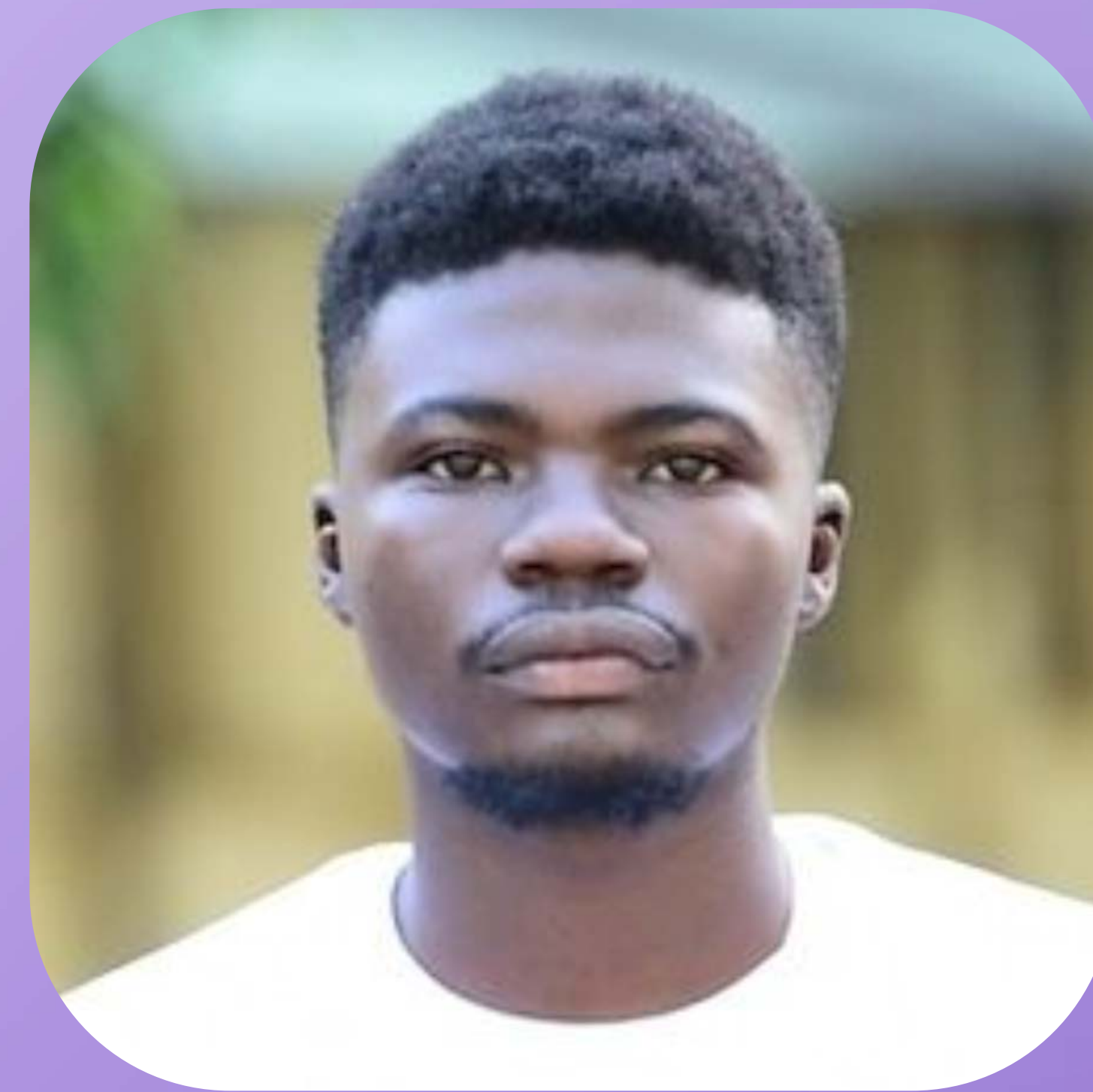
Igor Wojda
Konsist

The Kotlin Foundation's Education committee held the first Kotlin Multiplatform student contest. Students and recent graduates were asked to create and submit a project that will be heavily reinforced by Kotlin Multiplatform.

We received a total of 32 submissions from around the world. After careful deliberation, our panel of judges selected the top three winners. Travel and accommodation costs were covered for two winners, allowing them to attend KotlinConf 2024. Unfortunately, the third winner couldn't attend the conference due to unforeseen circumstances.



Patrycja Bachleda
Florida Institute of Technology
USA, College Advisor



Samson Aricha Momanyi
Technical University of Mombasa
Kenya, Organiks



Caleb Asira Etemesi
Strathmore University
Kenya, Pixly

The competition in Copenhagen was hard. I had to create a solution using Kotlin, which made me think creatively. Copenhagen was amazing – different and interesting. I met new people, listened to great talks, and tried foods I'd never had before, the Karaoke night was so fun! Overall, the new culture was so unique and eye-opening.

To anyone thinking of trying their luck, I would urge them to go ahead, challenge yourself and you may never know, this time it could be you.

Caleb Asira Etemesi

Strathmore University, Kenya, Pixly

Participating in the Kotlin Multiplatform Contest was a really great experience! Not only did it give me a chance to explore a new city, but meeting with some of the best engineers and learning from them was invaluable. I wish I could participate again but I'm looking forward to seeing this year's winners and their apps.

Patrycja Bachleda

Florida Institute of Technology, USA, College Advisor

The Kotlin Foundation has been [↗]accepted as a mentor organization for Google Summer of Code 2024. Mentors from JetBrains, Google, and Gradle worked with 4 projects

Google Summer of Code is a global online program focused on bringing new contributors into open-source software development. Contributors work on a 12-week programming project under the guidance of Kotlin Foundation mentors from Google, Gradle, and JetBrains.

Incremental Compilation for the Kotlin/Wasm Compiler

Contributor: Osama Ahmad

Achievement: Reusing code from the JS backend, optimizing the process for Wasm, and improving the codebase with refactoring and documentation. It was merged into the master branch of Kotlin.

Gradle Build Server – adding support for Android projects

Contributor: Tanish Ranjan

Achievement: Contributor successfully implemented features like composite build support, Java Home handling, and Android project discovery. These contributions were integrated into production.

Support Android target in kotlinox-benchmark

Contributor: Qizhao Chen

Achievement: Detecting Android targets, generating a template Android project, integrating benchmark annotations, and capturing results in both console and file formats.

Compose Multiplatform component gallery generator

Contributor: WhiteScent23

Achievement: This project brings a much-needed gallery generator for Compose Multiplatform, filling a gap in the Compose ecosystem. [↗GitHub](#)

The Kotlin Foundation is committed to continued growth and enhancing our programs to support the Kotlin ecosystem. Looking ahead, we aim to strengthen Kotlin adoption across the industry and education by exploring new opportunities and expanding our initiatives

Supporting Library Authors

Publish comprehensive guidelines and best practices for creating high-quality Kotlin libraries.

Fostering Community Engagement

Launch initiatives to connect and inspire the Kotlin community worldwide.
Establish a Community Advisory Board

Empowering Decision-Makers

Develop case studies and resources to assist business leaders in evaluating Kotlin for their projects.

Advancing Education

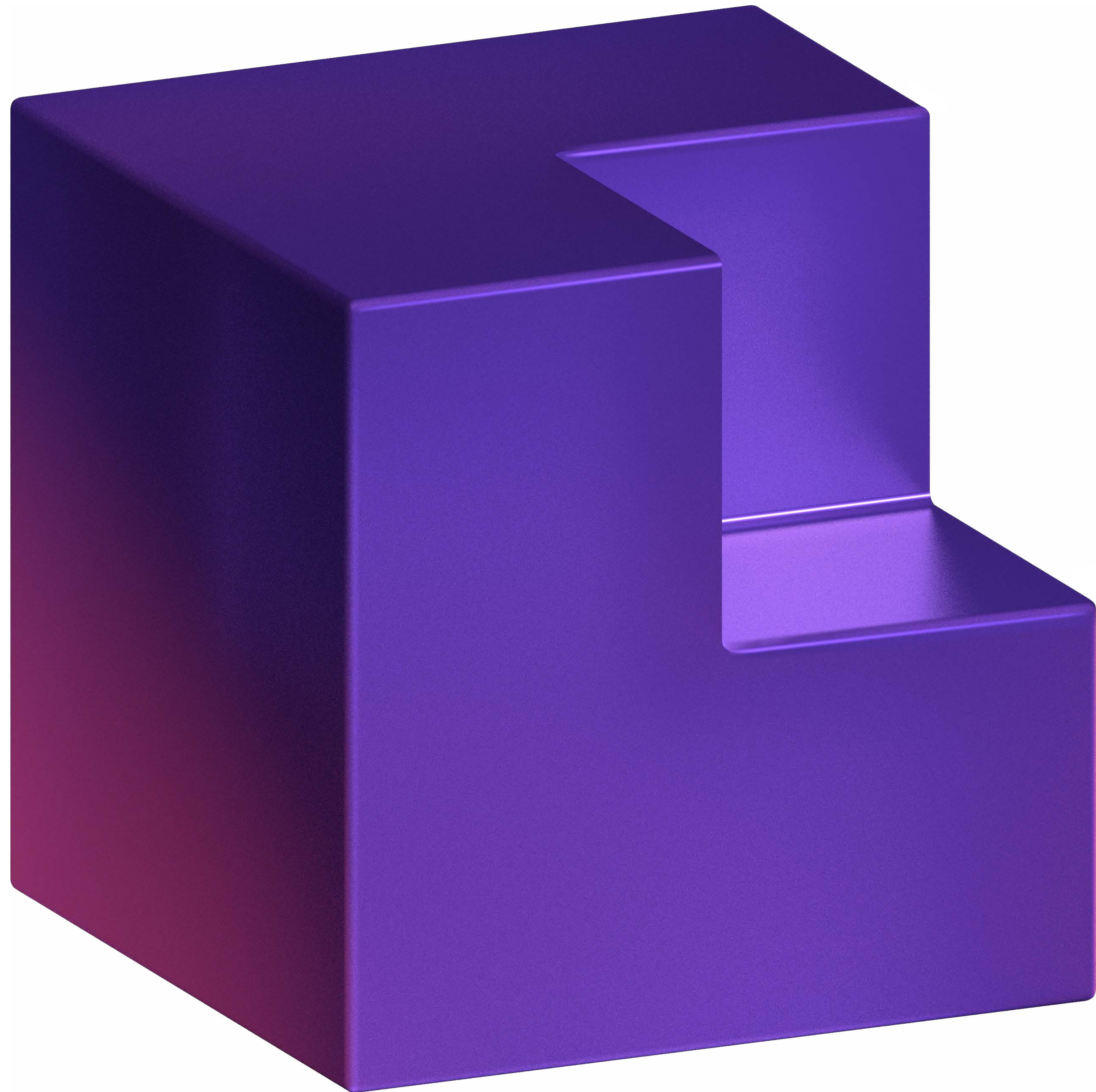
Roll out targeted educational programs to support trainers and to introduce young learners to Kotlin.

The Kotlin Foundation has grown significantly over the years, not only in the scope of the responsibilities it has, but also in terms of new members joining. In 2024 we onboarded new members and established new committees to work on the different aspects that the Foundation is focusing on.

It is wonderful to see this growth in the Foundation, and I'm very excited for everything that we can accomplish over the coming years.



Hadi Hariri
President of
the Kotlin Foundation



Have any
questions?
Contact us!

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