

Kotlin: An Emerging Programming Language for Android Applications

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Kotlin is a new language for the Java Virtual Machine that makes Android development better and streamlined in many ways. At Google I/O 2017, Google announced first-class support for Kotlin on Android.

Kotlin Development

Kotlin can be used for any kind of development, be it server-side, client-side over web or Android. Kotlin currently is working upon other platforms such as embedded systems, macOS and iOS which will shortly release in market. Just to name a few possibilities apart from Android development, people are using



Kotlin for server-side applications, client-side with JavaScript or JavaFX, data science, etc.

In the year of 2011 as an unveiled version Kotlin first appeared as a new language for Java Virtual Machine from a team of Saint-Petersburg programmers called JetBrains. JetBrains is the company who also have built IntelliJ IDEA software. Android Studio is designed based on IntelliJ IDEA.

Kotlin v1.0 was released on February 15, 2016. That was the first officially stable release and JetBrains has committed to long-term backwards compatibility starting with this version. The name comes from Kotlin Island, near St. Petersburg.

Kotlin Features

Kotlin is a great fit for developing Android applications, bringing all the advantages of a modern language to the Android platform without introducing any new restrictions:

1) Compatibility

Kotlin is fully compatible with JDK 6, ensuring that Kotlin applications can run on older Android devices with no issues. The Kotlin tooling is fully supported in Android Studio and compatible with the Android build system.

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3) Null Safety

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4) Easy to Use

It helps developers to make their app developing process faster. Kotlin has a very compact runtime library, which can be further reduced using ProGuard.

With simple and less coding and debugging, it boosts the development process as well utilization of existing codes, make it easy for developers to learn and implement in their existing projects or new projects

5) Open Source

Kotlin supports the open developer networks and the strength of open source makes the network strong which is not restricted to any single company.

6) Versatile

Kotlin is also used for building server-side applications and front-end code running in the browser.

Kotlin Implementation

Kotlin has been successfully adopted by major companies like Pinterest, Evernote, Uber, Trello etc. VOLANSYS , one of the Kotlin expert helps their client design mobility solution across varied industries like connected home, healthcare, manufacturing, retail, etc. For such case details on VOLANSYS expertise, visit <https://volansys.com/case-studies> or email us at business@volansys.com

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