I’ll present you Swift, which is langage developped by Apple, for Apple’s ecosystem.

Apple is a powerful and secure language, it is also easy to learn.

For example : Apple migrated his password monitoring service from Java to Swift and is now 40% more powerful with a decreasing of 40% of codes lines.

Swift is a modern, powerful and intuitive programming language developed by Apple. It is designed to create apps for iOS, macOS, watchOS, tvOS. Here are some main features of Swift:

Main features:

• Simplicity and readability: Swift’s syntax is concise and expressive, making it easy to learn and read code.

• Performance: Swift is compiled, making it fast and efficient, ideal for demanding applications.

• Security: It incorporates features to avoid common errors, such as handling nullities (optional) and checking array limits.

• Interoperability: Swift works perfectly with Objective-C and can interact with libraries written in C and C++.

• Open Source: Since 2015, Swift is open source, which allows a large community to contribute to its development.

xCode

Xcode offers the tools you need to develop, test, and distribute apps for Apple platforms, including predictive code completion, generative intelligence powered by the best coding models, advanced profiling, debugging tools, and simulators for Apple devices.

Areas of use:

• Mobile application development (iOS, iPadOS)

• Application development for macOS

• Applications for tvOS and watchOS

Swift playground

Swift playground is a learning-game developped by Apple for beginners in swift development, it is a ludic app to learn Swift.