

# iOS development

At Telesens we approach iOS development very carefully. Our team of professionals develops the highest quality applications.



*Development for iOS in our team is performed using the React Native framework, which makes it possible to launch a project that will work on iOS, and to do it quickly and get UX that fully complies with Apple's recommendations.*

Our team writes apps using the React Native framework in JavaScript and TypeScript.

React Native is an open source user interface software framework that helps build iOS app using JavaScript as a programming language. It was created by Facebook in 2015 and has a large community of programmers.

React Native makes it easy to develop intuitive, native-like user interfaces because it combines all the best features of React.js and JavaScript.



## Advantages of React Native:

The use of React Native in the development of mobile applications significantly increases the speed of development and thereby reduces financial costs. Using this framework allows you to turn one code into application for iOS operating system, which is a huge plus in terms of time spent on development.



## Disadvantages of cross-platform development:

Cross-platform capability has the other side of the coin - due to the fact that the code supports both operating systems, it can be a bit excessive, take up more space, and the work of such applications can be slower than the work of applications written in native languages (Swift, Objective-C), it can be imperceptible to the eye of an ordinary user.

If you have questions or doubts about which approach to choose for the development of your program, you can contact us and we will help you make the right choice.

After selecting a language, the mobile technology is divided into the main stages, which are briefly described below.

Some stages may be missing or occur in parallel during the development of your program, this is all individual and is decided at the first stage of planning.

## Main stages:

01

### Technical specification (planning)

Before the technical specification, an idea is always a starting point. In our practice, there were various cases: clients came to us with only an idea, and then we developed the technical specification together or there were cases with a ready-made technical specification. What is a technical specification – it is a detailed description of all processes, functions that must occur or be performed in the application.

02

### Design

Design is the appearance of your application. It is very important because it's the face of your application.



## REACT NATIVE



An easy-to-use, intuitive, good-looking program will always attract new users. If our client does not have his own design, we develop the design after listening to all his wishes and requirements.

03

### Back-end

Now it is difficult to imagine a program without Back-end. Back-end is an invisible part of the program that is located on a remote server and is responsible for logic, data storage, authorization and other processes that support the operation of the program. In rare cases, it may be absent.

Back-end development can be started in parallel with the drawing of the design (if there is no such thing yet), thereby speeding up the development time. Because these processes do not overlap.

04

### Front-end

Front-end or development of the application itself, which will later be installed on your phone. We try to divide all development by functionality or screens (separate screens in the application) in order to distribute work among our team members and thereby speed up the development.

Each member will do his part of the program and at the end, or at different stages by combining the joint work together, we will get a full-fledged

mobile application.

05

### Testing

Testing stage is very important. If we start testing at the early stages to discover some critical errors, it will be easier for us to eliminate them rather than to redo the finished application later. By testing the interface and functionality, you can find that some functions are inconvenient, so, you can remake them.

06

### Release

Having decided to develop MVP or a full-fledged application, and when the development is finished, we add it to the Apple Store.

07

### Support

Once you have launched your mobile app and the reviews will start to come, it's worth taking the time to read the most critical ones and make adjustments to help.

The general public should be treated as a positive resource for further testing and development of future versions of the program.

**MVP (Minimum Viable Product)** is a product with a sufficient number of

functions to attract the first customers and validate the product idea in the early stages of the product development cycle. In industries like software, MVP can help the product team get users' feedbacks as quickly as possible to iterate and improve the product.

**A company may choose to develop and release a minimum viable product because its team wants:**

- to release the product to the market as soon as possible;
- to find out what resonates with the company's target market and what doesn't;
- to test the idea with real users before allocating a large budget to full product development.

In addition to allowing your company to validate a product idea without building a full product, MVP can also help minimize the time and resources you might spend building a product that won't be successful.

*At Telesens we care about our customers and develop the best mobile solutions. So, in order to develop a high-quality, functional and user-friendly application for iOS, our talented team uses the latest technologies. Creating applications for this platform is not an easy task, but with the help of React Native, we develop fast applications that are configured to scale and various other platforms.*

## The Software Development Life-Cycle



## Our contacts

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