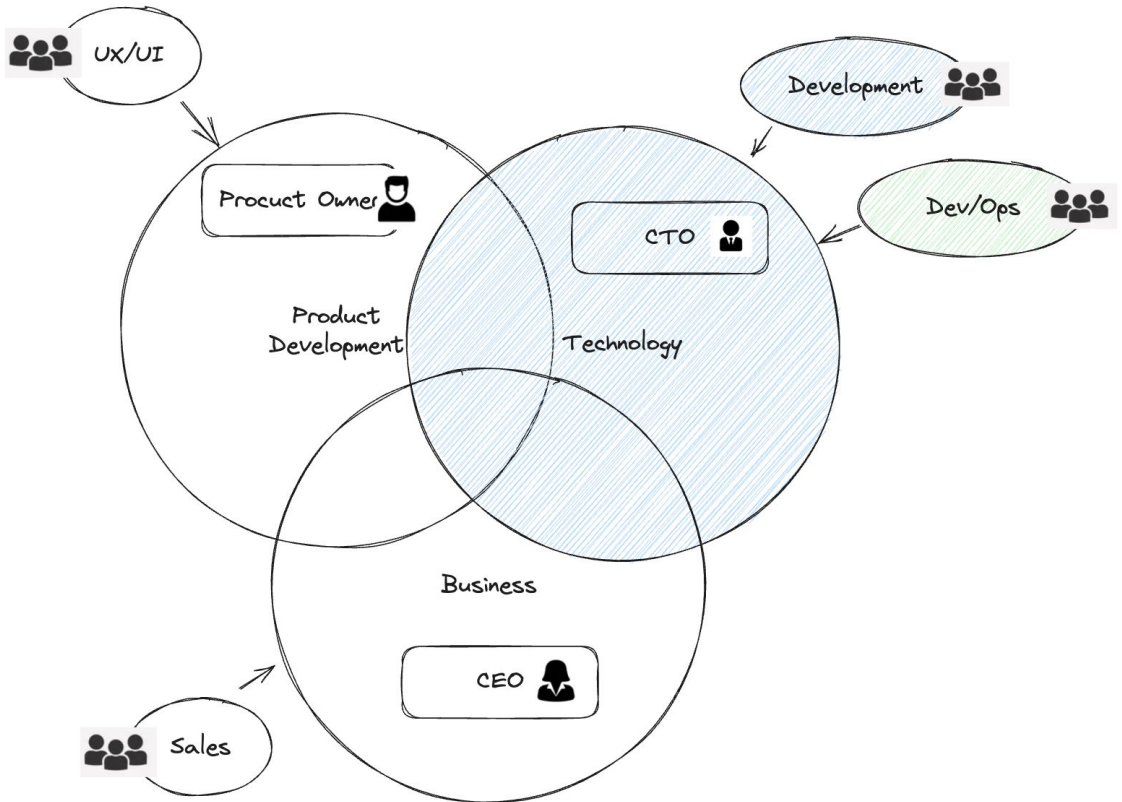




Mobile app development

Technical solutions

Basic responsibility diagram for a startup





CTO Responsibilities

- A CTO should have the business knowledge necessary to align technology-related decisions with the organization's goals.
- Fixing IT-related issues
- CTO is responsible for developing, implementing, managing and evaluating the company's technology resources.
- The goal of a CTO is to examine short- and long-term needs while using capital to make investments that aid the organization in reaching its goals.



Technology decision

- Our CEO have decided to develop a new application to expand the company product range.
- This application has to be developed to target some specific profile of our customers

Questions:

- How our target user would prefer to access the application?
- What kind of feature will implement this application in the future?
- Engagement. We need that the target users come back to use our application, if not, it will be a waste of time and money.

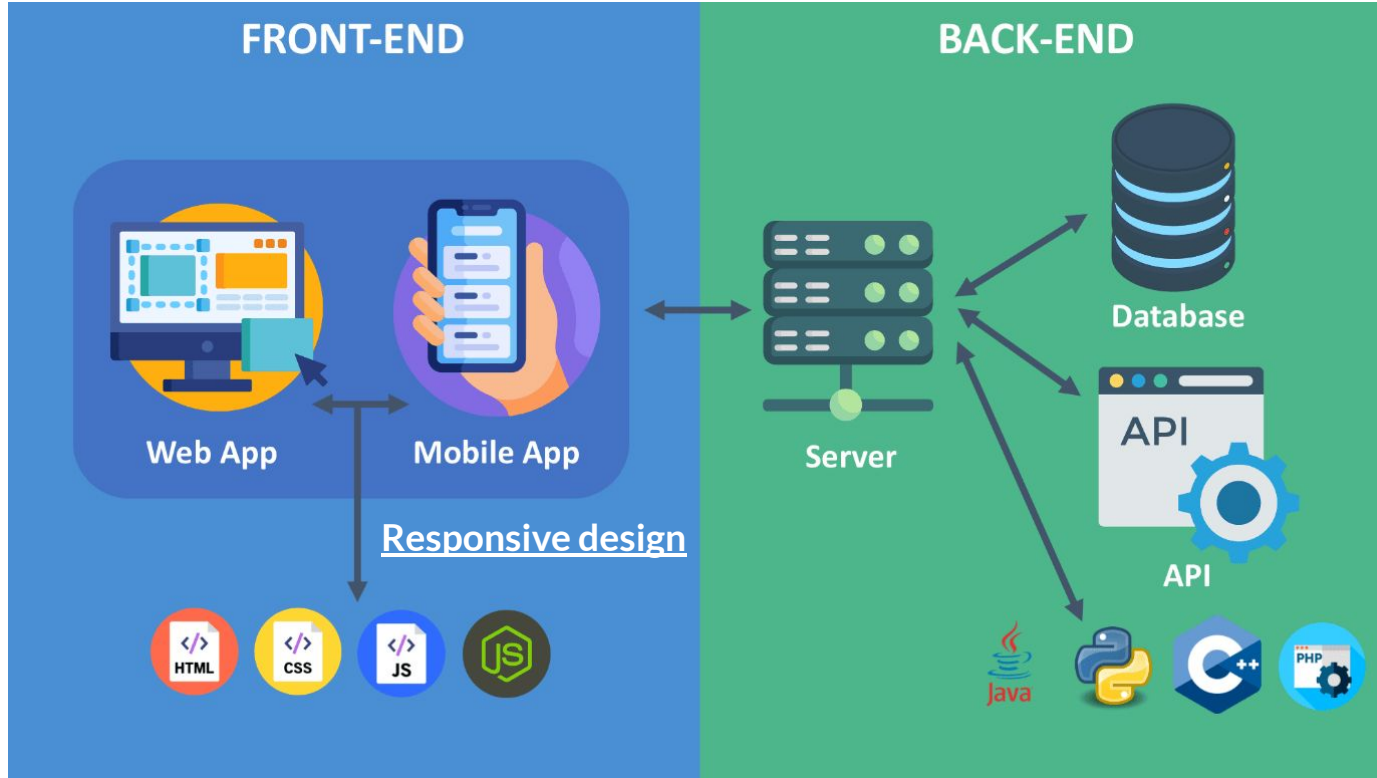
Available technologies to develop it



Web Development Tech Stack



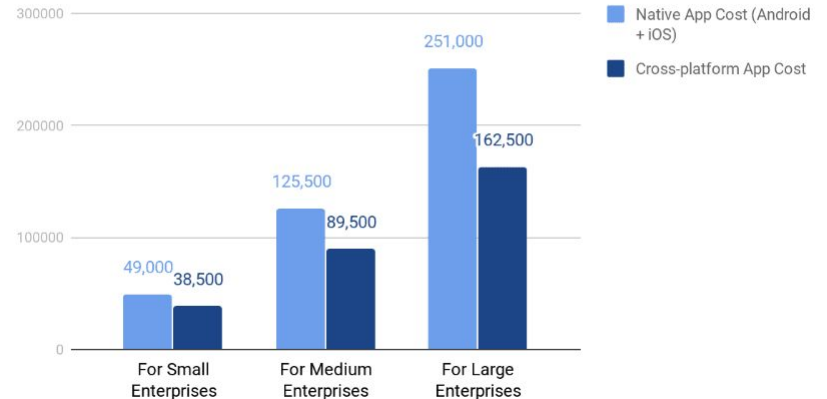
Basic architecture



Native solutions—Pros cons

- Pros
 - High performance
 - Full access to all features of the device (almost)
 - Better user experience
 - Greater security
 - No internet access required
- Cons
 - Less flexibility
 - Expensive
 - More support and maintenance

Comparison Of Native vs Cross-Platform App Development Costs (USD)



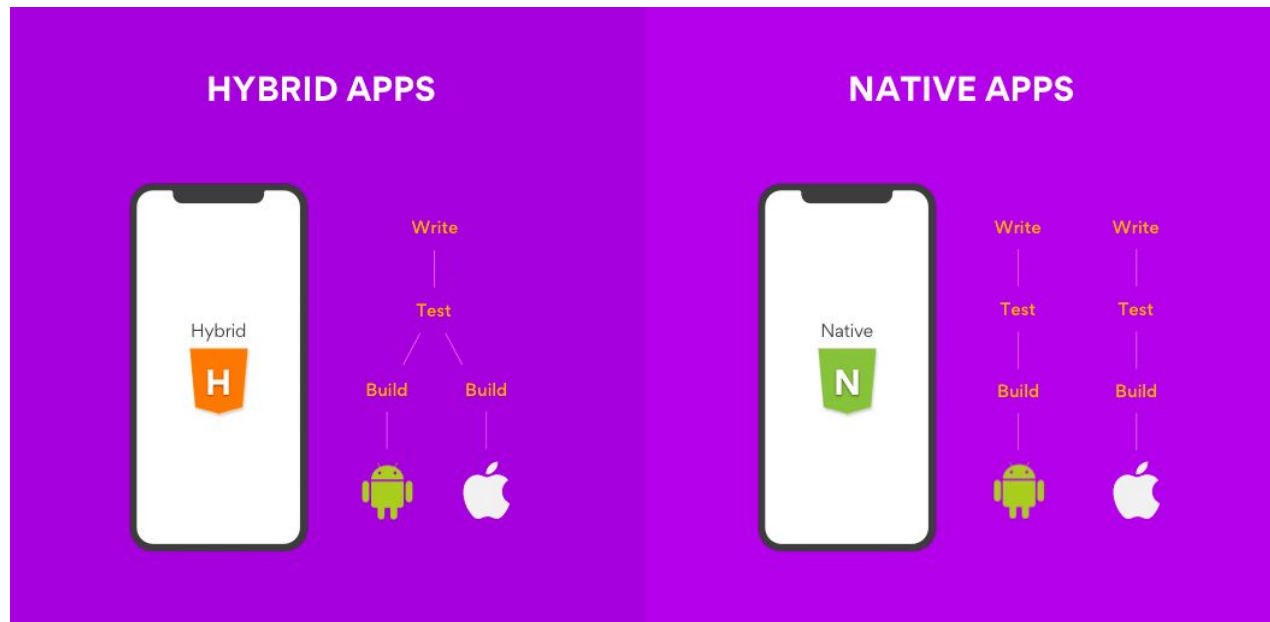


When do you use native development

They're best suited for mission-critical apps that need fast performance, offline flexibility, and advanced functionality.

Hybrid solutions

- React Native
- Flutter
- Ionic



Hybrid solutions—React Native

It is the most preferred and famous hybrid app development technology that is used by mobile app developers.

Pros

- It uses JavaScript
- Ready to use components
- Easily finding all types of bugs
- Maximum code reusability
- A frontend react developer can learn it very quickly

Cons

- The documentation is very poor
- React Native has issues with compatibility and instability.



Hybrid solutions—React Native

Apps



Myntra





Hybrid solutions—Flutter

The origin of Flutter was particularly done for Google Fuchsia

Pros

- It has the best compatibility with multiple operational systems.
- It offers an impressive speed which is best for a hybrid app framework.

Cons

- It has a limited community and few experts that are working at Alibaba and Google.
- Flutter has no set of free advanced tools.
- The platform is new in the market
- Flutter apps are usually 40% huge as compared to any native app.





Hybrid solutions—Flutter

Apps



Google Ads





Hybrid solutions—Ionic

It is considered as one of the fastest cross-platform app development frameworks that are used for creating hybrid mobile apps.

Pros

- It consists of massive UI components that are used for creating an eye-catching user interface
- It offers the best built-in support for material design.
- The Ionic framework has the top documentation support with a strong community.

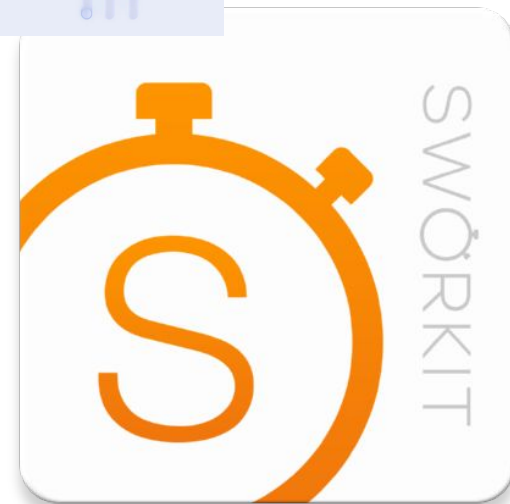
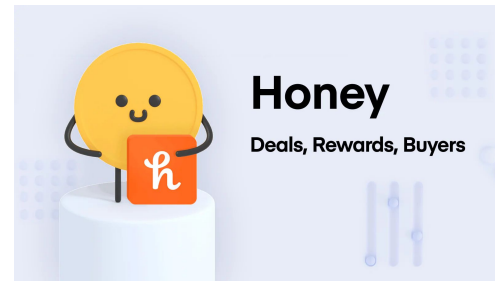
Cons

- Ionic apps do not offer the best performance
- It has a lot of dependency on plugins





Hybrid solutions—Ionic



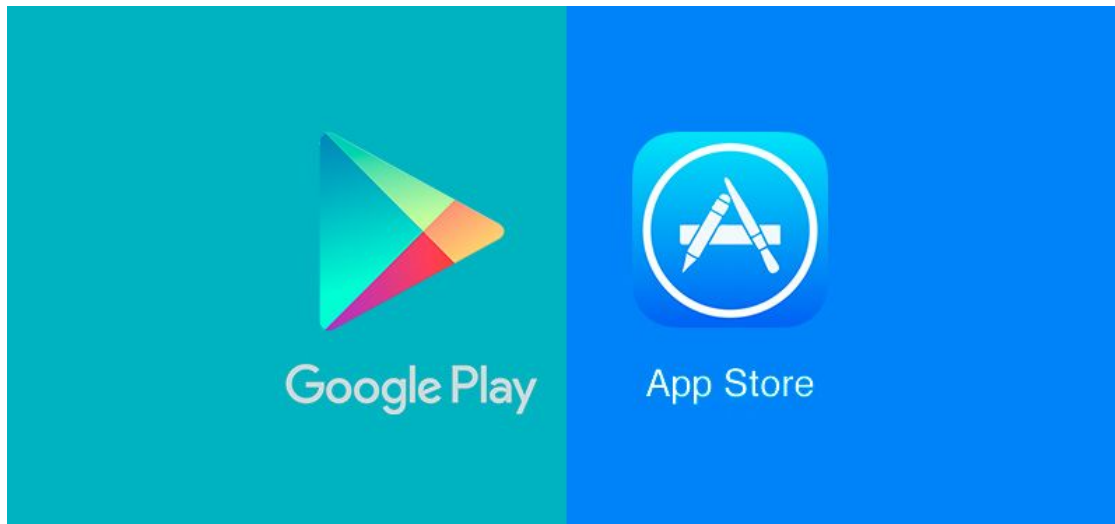


Hybrid Solutions—Pros cons

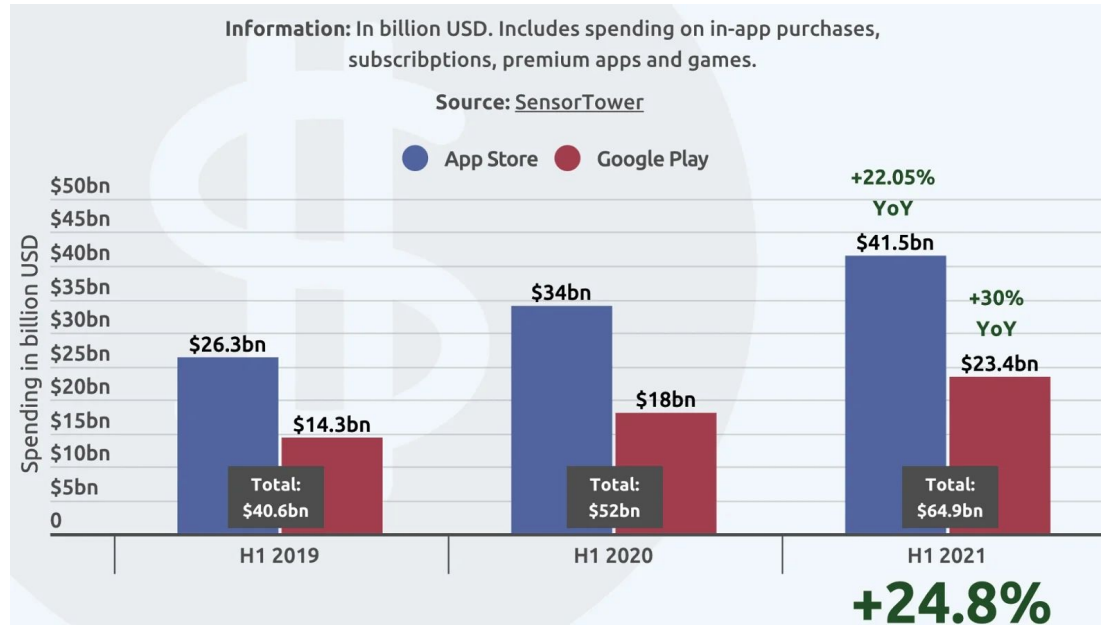
- Pros
 - It is budget-friendly
 - Highly scalable platform as once the development is completed, the apps can be utilized on different platforms.
 - No internet access required
 - Greater security
- Cons
 - Lower performance
 - The difficulty or impossibility to exploit the platforms' capacities in full



The store problem



The store problem





Web development responsive solution

Pros

- Web developers can develop your application
- Lowest cost
- Control your releases
- All the money is for you
- Maximum cross-platform compatibility

Cons

- The user has to know your url
- No push-notifications. Customer loyalty by mail or sms. Subscriptions
- No access to hardware
- Internet connection required
- Less secure

Our solution

