

Different Types of Software Applications

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I write code by hand ☐, but dream of managing coders by head 🤖

Web applications

- Desktop Layout
 - Tablet Layout
 - Mobile Layout

 - Mobile-first approach
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Pros and Cons

Pros

- One team for all environments
- Faster than native app development

Cons

- Native apps are more UX friendly
- Has its limitations
 - ◆ Games
 - ◆ ML

Examples

- Figma
 - Slack
 - Gmail / Google Meet
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Mobile Applications

- Hybrid applications
 - Why you shouldn't give a try!
 - Only for prototyping!
 - [React Native]
 - Why you should give a try?
 - Only for prototyping?
 - Native Applications
-

Pros and Cons

Pros

- Better UX through interaction with host environ
- Access to host API's
 - ◆ Notifications, Camera, GPS
- Games and other heavy gpu consuming apps

Cons

- 2-3 teams to cover all environments
- Development speed

Examples

- AirBnB
 - Globbing
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Desktop Applications

- Native Applications
 - Electron Applications
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Pros and Cons

Pros

- Better UX through interaction with host environment
- Access to host APIs
- Games and other heavy gpu consuming apps

Cons

- [2-3] teams to cover all environments
- Development speed

Examples

- Figma
 - Slack
 - Zoom
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API Products

- API is the acronym for Application Programming Interface, which is a software intermediary that allows two applications to talk to each other
 - An API Product is when APIs are combining their resources to give a certain amount of access for client app developers
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Pros and Cons

Pros

- Only UX for backend
- Development speed

Cons

- Project should be scalable
- Money

Examples

- Twillio
 - Nikita
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Embedded Systems

- An embedded system is a combination of computer hardware and software designed for a specific function
 - Embedded Systems vs IoT
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Pros and Cons

Pros

- Only UX for backend
- There's a market

Cons

- Development limitations

Examples

- Alice
 - Alexa
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Q & A

I prepare for this. Hopefully, you are not !?