

devfest 2022

```
book-nav-toggle'  
dden="" fixed="" aria-label='Hide  
Hide side navigation'
```

Introduction to Ionic



Indermohan Singh
Developer Advocate, Dynatrace



Who am I?

Indermohan Singh, Developer
advocate at Dynatrace

Developer | Musician | Author



[@imsinghk7](https://twitter.com/imsinghk7)



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[imsingh](https://github.com/imsingh)

```
on class= 'devsite-book-nav-toggle  
-haspopup='menu' hidden='' fixed='' aria-label='Hide  
navigation' data-title='Hide side navigation'  
-expanded='true'><span class='material-icons  
</span></button>
```

Got an interesting idea,
and you **want to build a
mobile app?**





Gmail Images



Search Google or type a URL



Capture Opti...



Outlook - fre...



Singh Taxi In...



Web Store



Add shortcut

Customize Chrome

MacBook



Kotlin







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```

End-to-end platform for
building cross-platform apps
using web tech.



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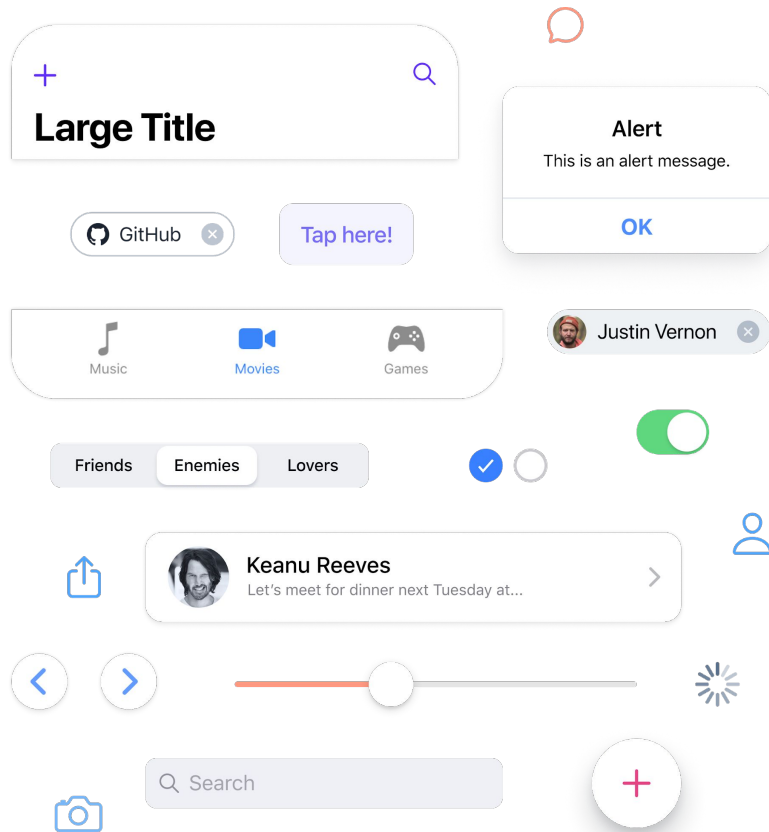
" class="time talk-ended single-
" class="talk-name">...
" class="description">...

Ionic framework



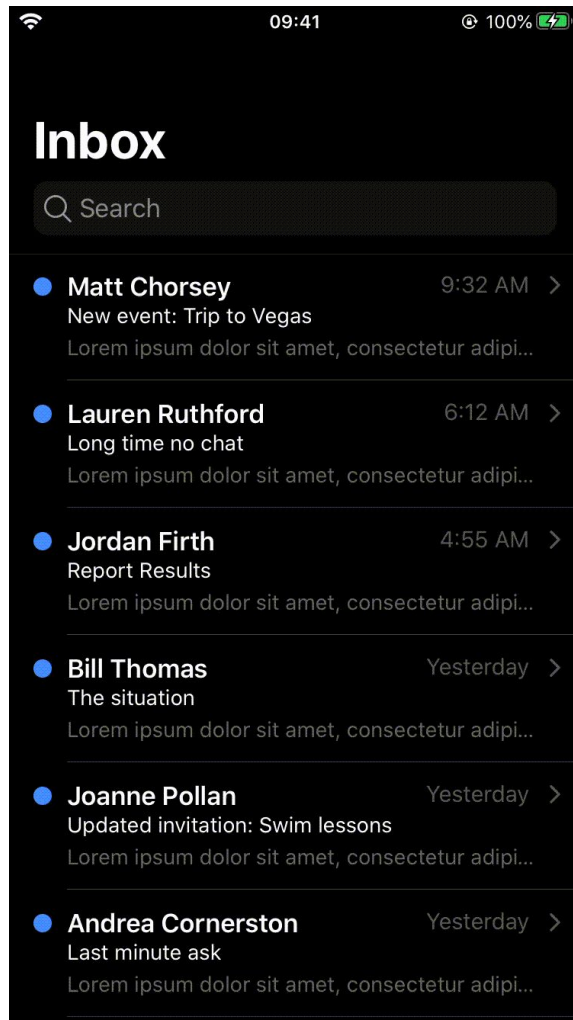
UI Components

- 100+ web components
- Framework agnostic
- Powerful theming

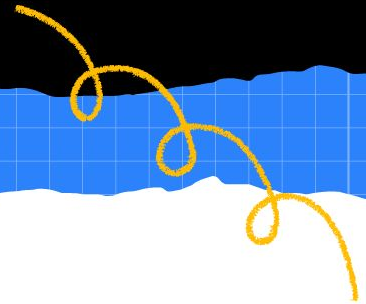


Animations

- Native-style navigation
- High performance



```
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-expanded='true'><span class='material-icons
' /></span></button>
```



How is it different from any other UI libraries?



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class='description'>...

Capacitor



Capacitor

- Bundle your app into **apk** or **ipa**
- **Plugins**: Camera, Notifications, Location etc...
- **Cross-platform**: iOS, Android, Desktop, Web
- Web standards-based APIs
- Inspiration: Cordova, React Native

```
import { Plugins, CameraResultType } from '@capacitor/core';
const { Camera, LocalNotifications } = Plugins;

async takePicture() {
  const image = await Camera.getPhoto({
    quality: 90,
    resultType: CameraResultType.Uri
  });
  imageElement.src = image.webPath;

  LocalNotifications.schedule({
    notifications: [
      {
        id: 1,
        title: "New Photo Captured",
        body: "Photo details",
        schedule: { at: new Date(Date.now() + 1000 * 5) }
      }
    ]
  });
}
```

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class='description'>...
```

Icons

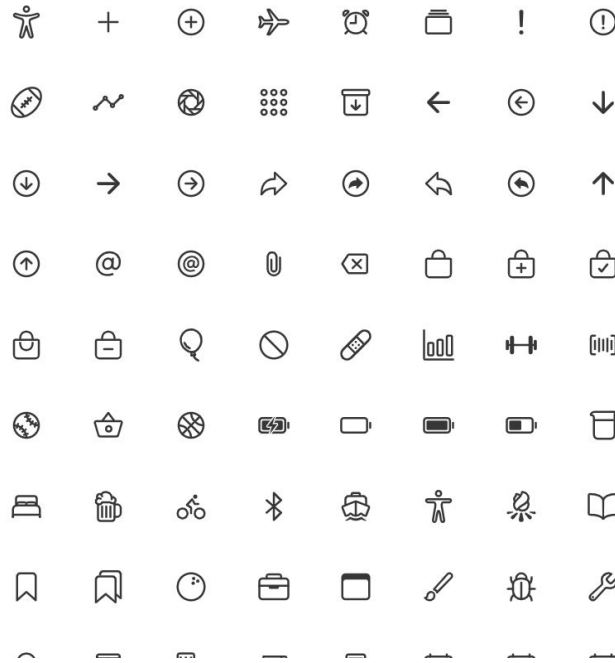


Ionic

- Premium designed icons
- Free to use
- Automatic styling for both Android and iOS

App icons

[Outline](#) [Filled](#) [Sharp](#)



```
$ npm i -g @ionic/cli  
$ ionic start yourApp --type=angular
```



Demo

Recap

- App development is hard
- Ionic platform is a solution
- **CLI**: Scaffold projects
- **Framework**: UI Components, Animations
- **Capacitor**: Native plugins and bundling
- **Ionicons**: Icons for giving your apps an edge

There is more.

<https://ionicframework.com/>

My journey

- Created ragakosh.com
- Authored [Ionic 2 Blueprint](#)
- Moved to Vienna, Austria
- Ionic Developer Expert



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