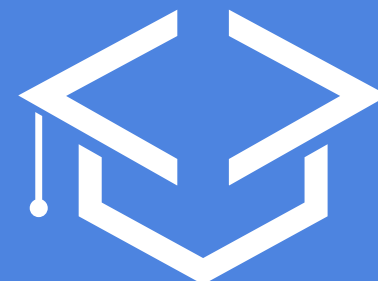




FROM ZERO TO IONIC HERO



Simon Grimm
@schlimmson



ionic
ACADEMY

HEY, I'M SIMON FROM DEVDACTIC!



- ▶ “Gelernter”
Wirtschaftsinformatiker
- ▶ Von iOS zu Hybrid
- ▶ Ionic, Angular, React, Ionic
- ▶ Blog, YouTube, Kurse, Buch
- ▶ Ionic Academy
- ▶ Everything Ionic!





▶ **Part 1**

- ▶ Was ist Ionic?

▶ **Part 2**

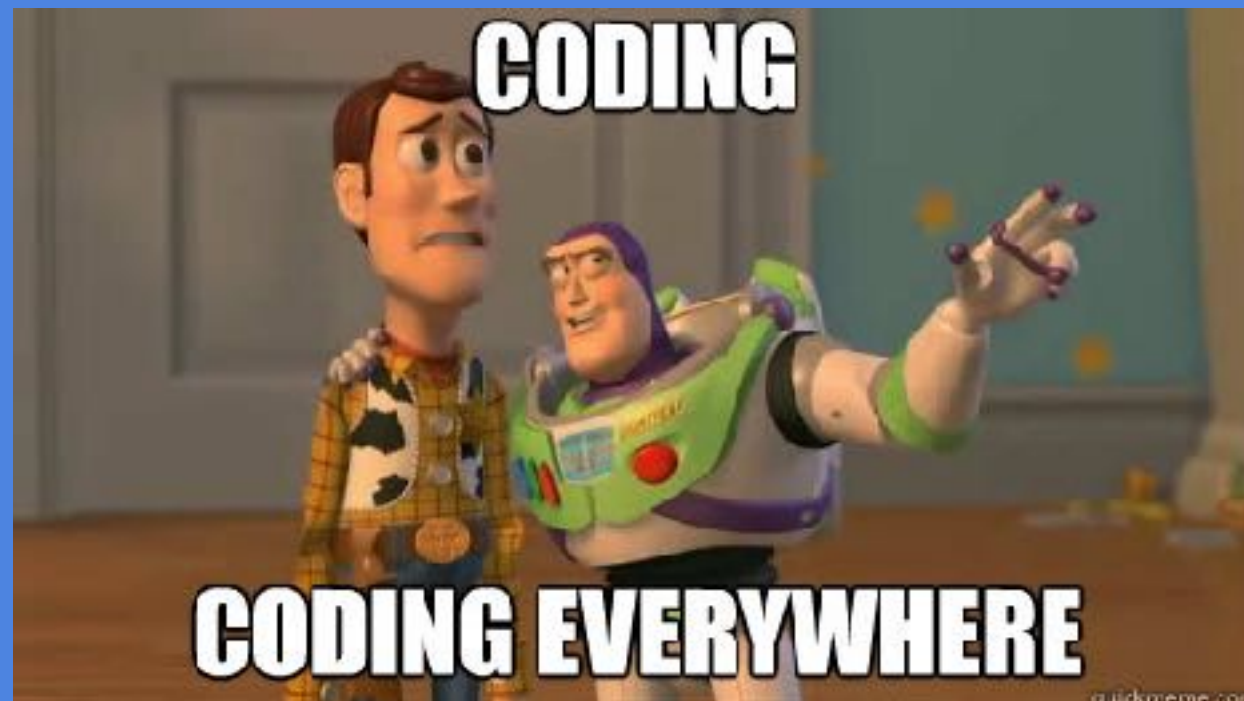
- ▶ Ionic Live Coding Demo

▶ **Part 3**

- ▶ Zukunft von Ionic

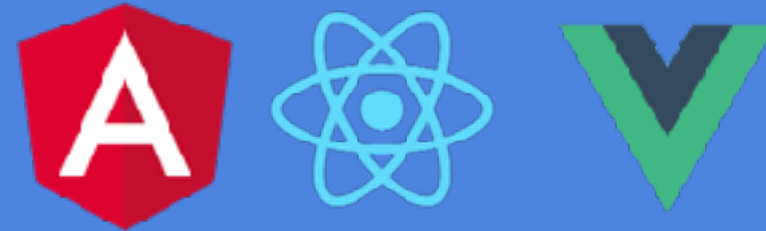


- ▶ Kunden wollen Web + Mobile
- ▶ Ein Framework reicht nicht
- ▶ Mehrere Plattformen = Mehrere Sprachen
- ▶ n Repositories, n Entwicklungsteams





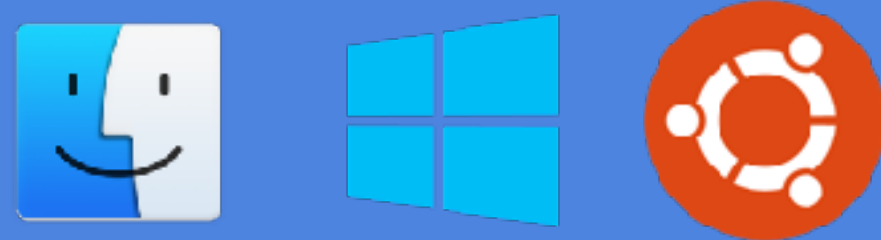
- ▶ Web Frameworks



- ▶ Mobile Landschaft



- ▶ Desktop





- ▶ Free Open Source Framework für mobile Apps
- ▶ Eine Codebase, alle Plattformen
- ▶ HTML, Javascript, CSS
- ▶ "Hybride Apps"



ONE CODE TO RULE THEM ALL





3rd Prize - \$2000

Simon Reimler

Switching from native
iOS to Ionic: Why Hybrid
doesn't suck (anymore)

Featured in

**MobileWebWeekly
& ng-newsletter**

**“HYBRID STILL SUCKS.
WEBVIEW APPS SHOULD ALL
DIE!”**

Random Reddit Guy



Max Lynch ✓ @maxlynch · 24. März

I refer to Ionic apps as native apps which annoys pure native devs because to users native app means it's in the app store. It's that simple

🌐 Original (Englisch) übersetzen



3



1



7

Max Lynch, CEO Ionic



▶ **Angular**

- ▶ JavaScript Framework
- ▶ Open Source by Google



▶ **Typescript**

- ▶ Typisierte JavaScript Variablen & Funktionen
- ▶ Open Source by Microsoft



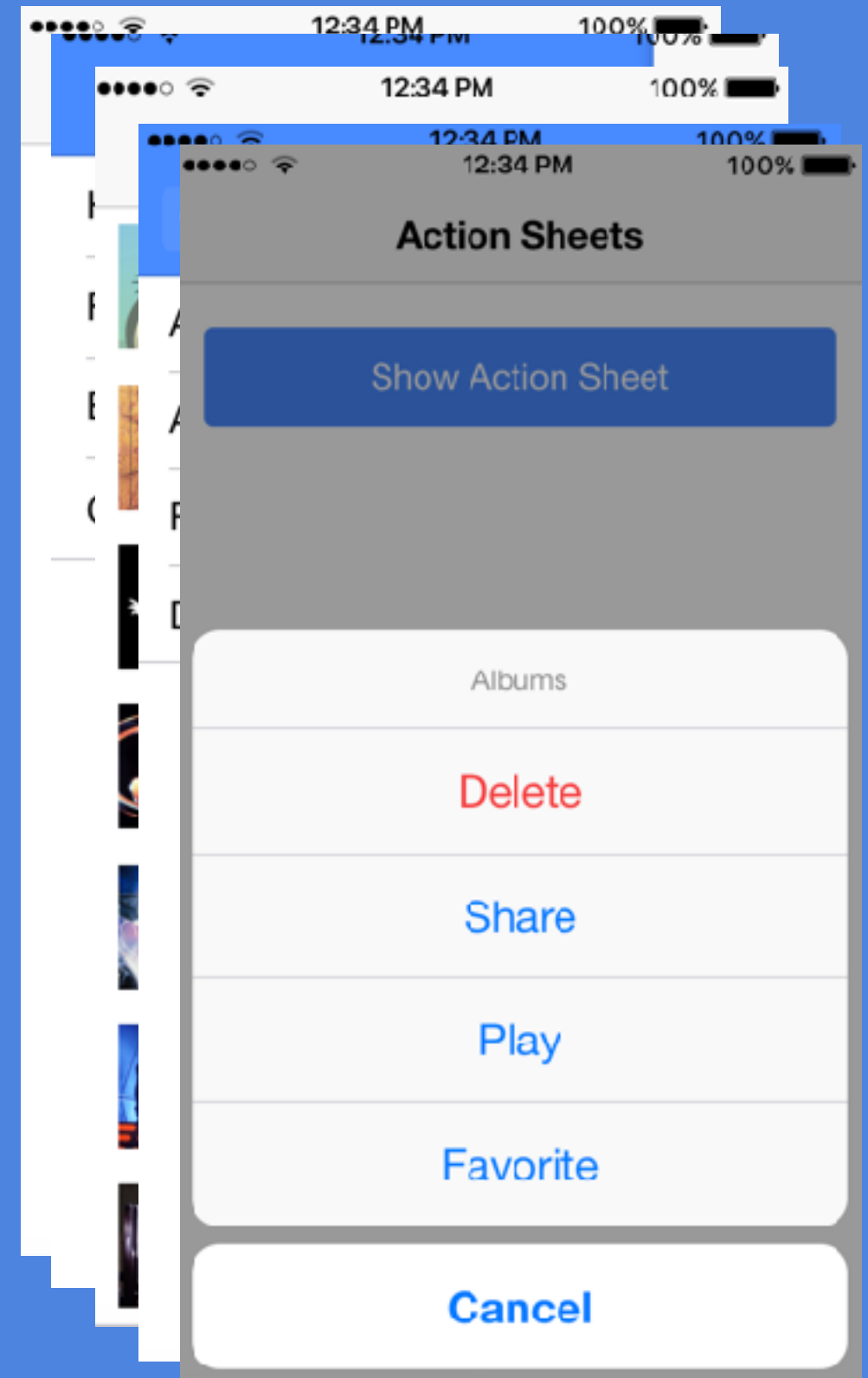
“Codequalität trotz Javascript”



- ▶ Open Source by Apache Foundation
- ▶ Packt unsere "Webseite" als native App
- ▶ Erlaubt Zugriff auf native Funktionalität wie Kamera, GPS...
- ▶ Könnte **ohne Ionic** benutzt werden!



- ▶ Einfach & Anpassbar
- ▶ Theme für alle Plattformen
- ▶ "Natives" UI Gefühl





► Component API

```
<ion-item-sliding>
  <ion-item>
    Item 1
  </ion-item>
  <ion-item-options side="right" (ionSwipe)="saveItem(item)">
    <button ion-button expandable (click)="saveItem(item)">
      <ion-icon name="star"></ion-icon>
    </button>
  </ion-item-options>
</ion-item-sliding>
```

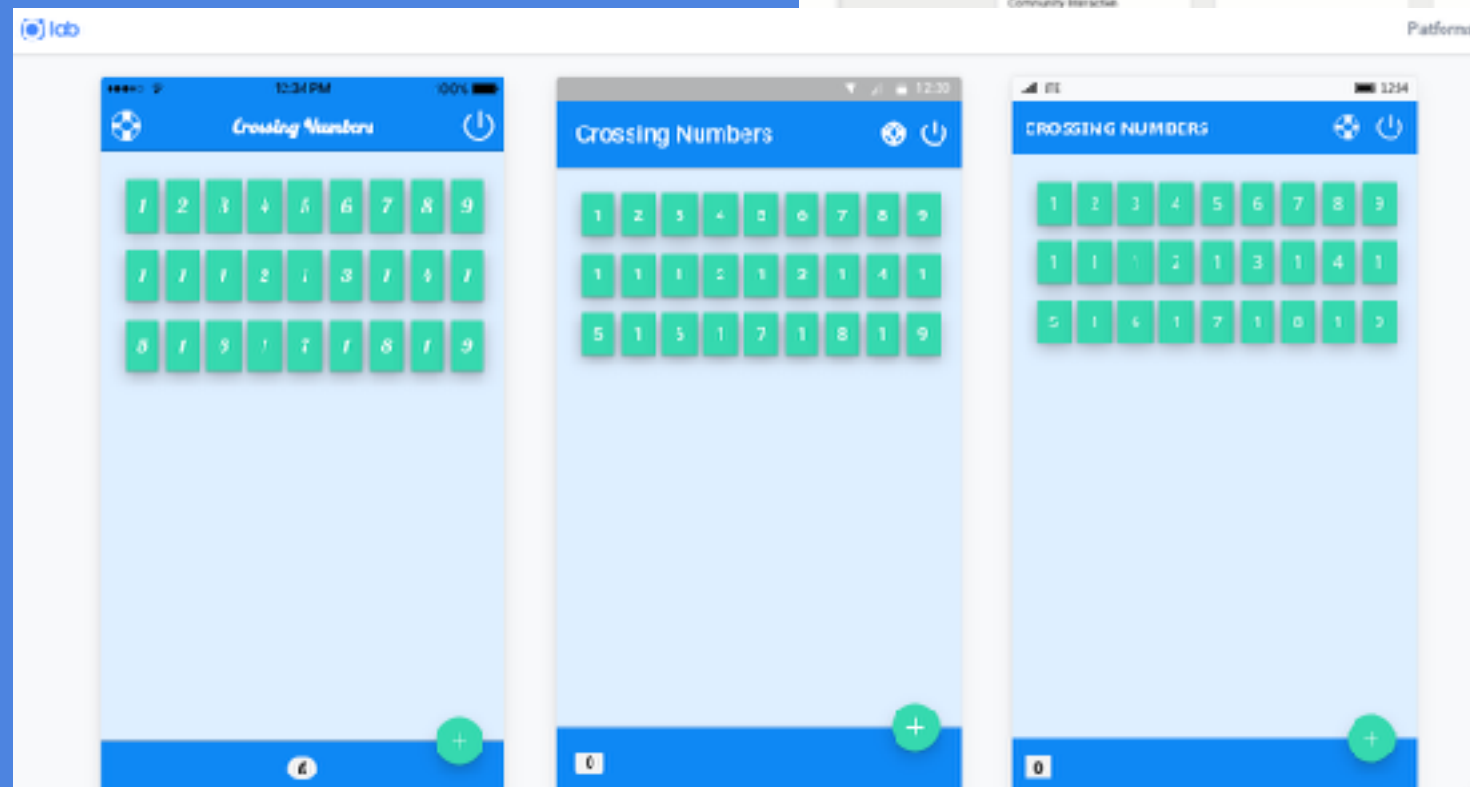
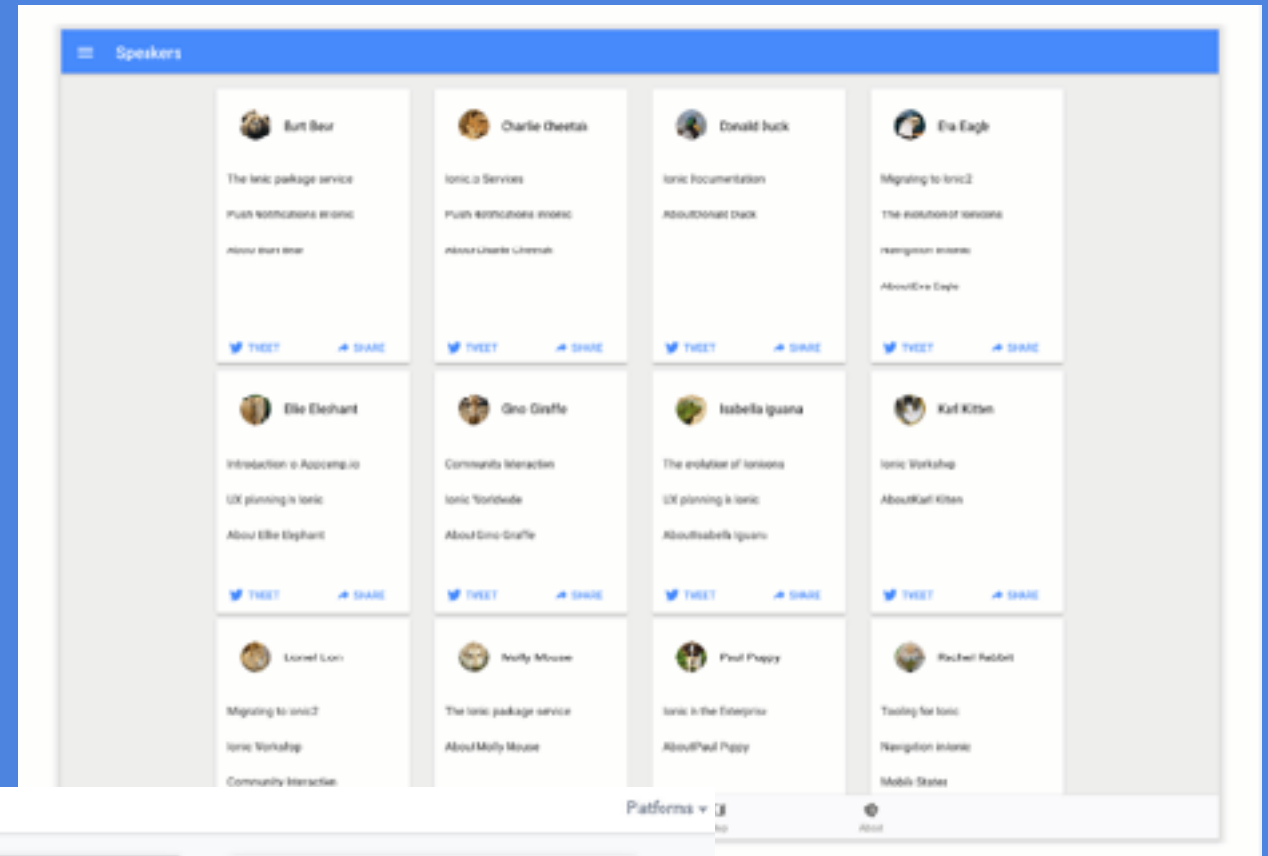


► Service API

```
presentAlert() {
  let alert = this.alertCtrl.create({
    title: 'Low battery',
    subTitle: '10% of battery remaining',
    buttons: ['Dismiss']
  });
  alert.present();
}
```



- ▶ Responsive Grid
- ▶ Designs out of the Box!





- ▶ Wrapper für Cordova Plugins, maintained by Ionic!
- ▶ Vereinfachter Zugriff auf native Funktionen

```
$ ionic cordova plugin add cordova-plugin-camera  
$ npm install --save @ionic-native/camera
```

```
import { Camera, CameraOptions } from '@ionic-native/camera';  
  
constructor(private camera: Camera) { }
```

```
const options: CameraOptions = {  
  quality: 100,  
  destinationType: this.camera.DestinationType.DATA_URL,  
  encodingType: this.camera.EncodingType.JPEG,  
  mediaType: this.camera.MediaType.PICTURE  
}  
  
this.camera.getPicture(options).then((imageData) => {  
  // imageData is either a base64 encoded string or a file URI  
  // If it's base64:  
  let base64Image = 'data:image/jpeg;base64,' + imageData;  
}, (err) => {  
  // Handle error  
});
```

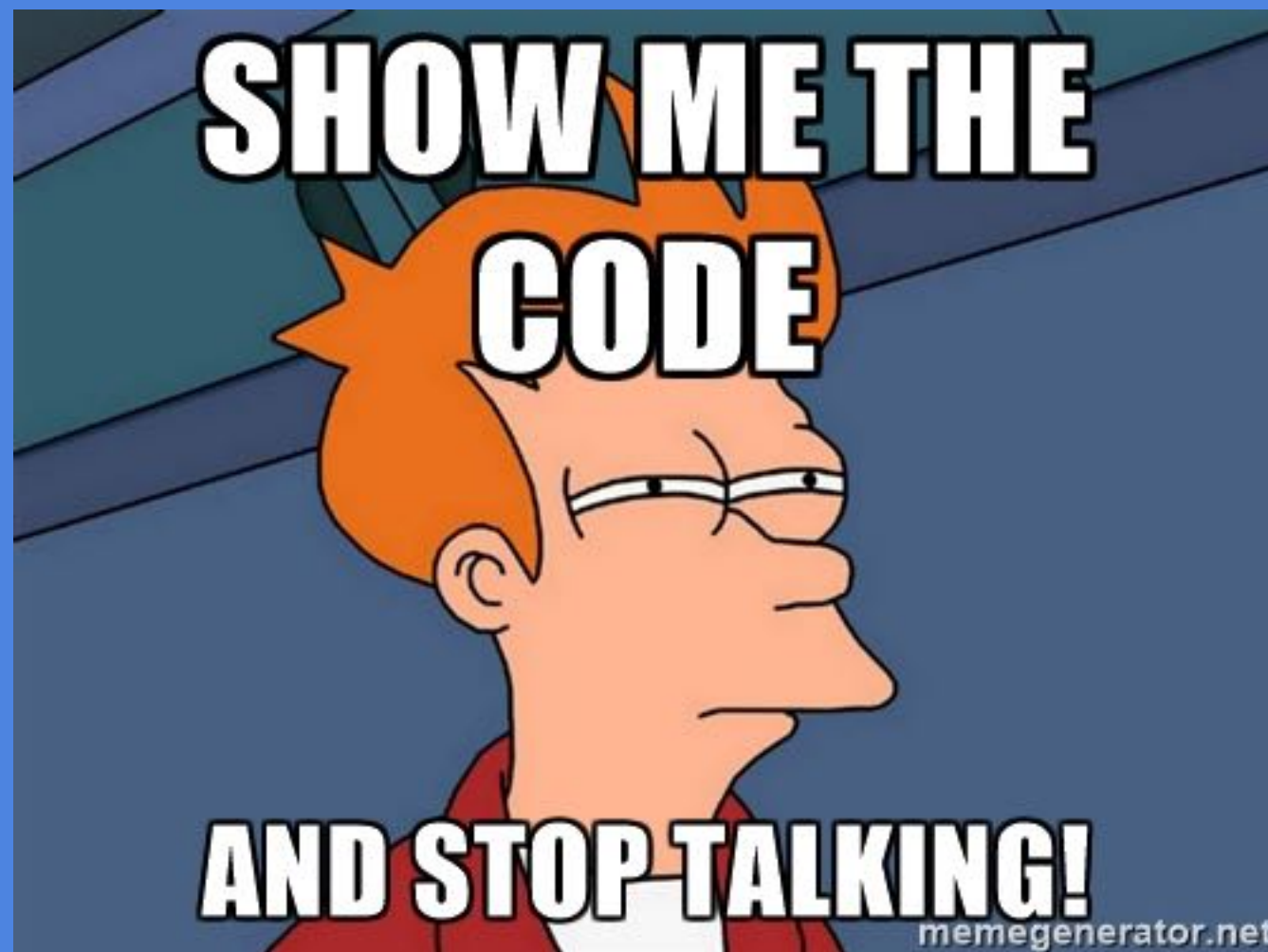


Human, how can I help?



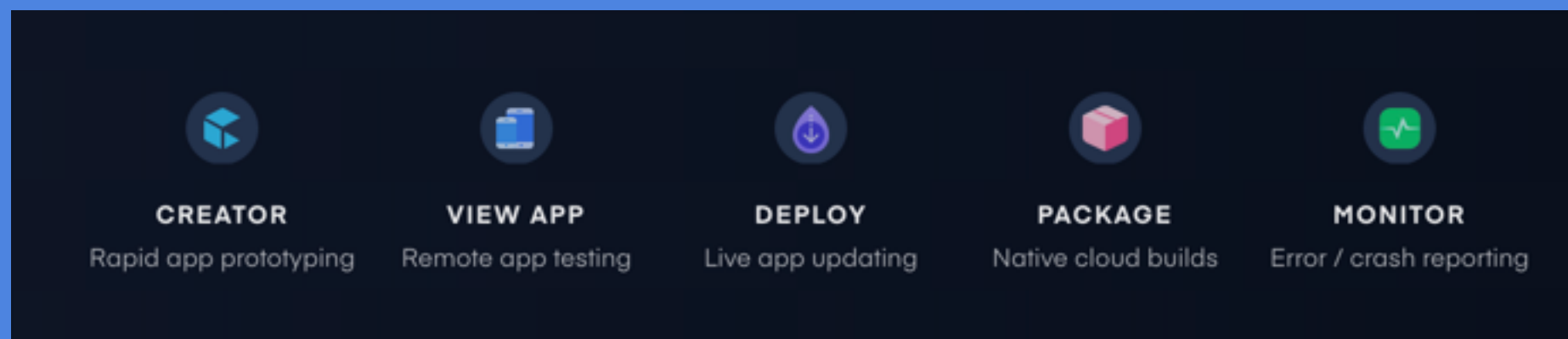
- ▶ Node.js installieren
- ▶ `$ npm install -g ionic`
- ▶ `$ ionic start myApp blank`
- ▶ Los gehts!

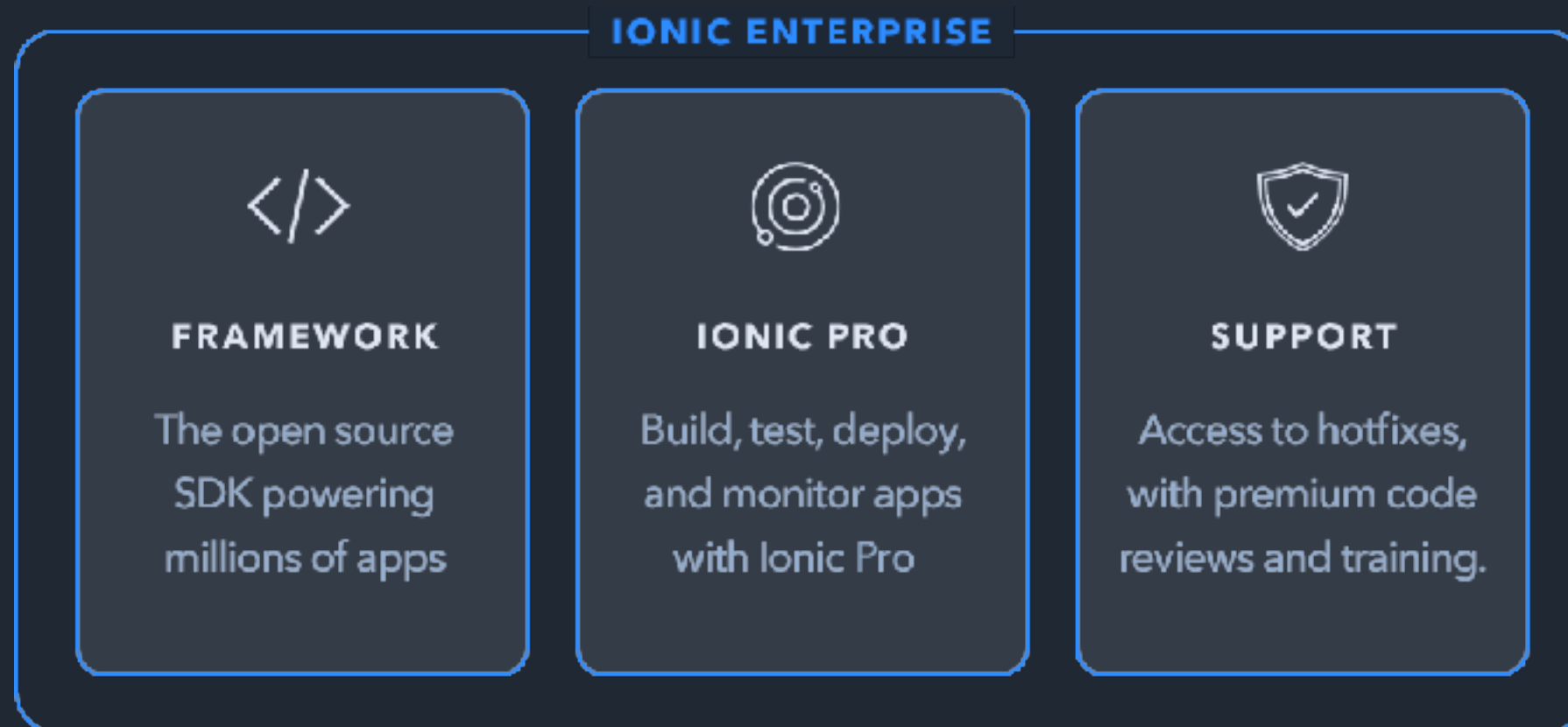
DEMO TIME

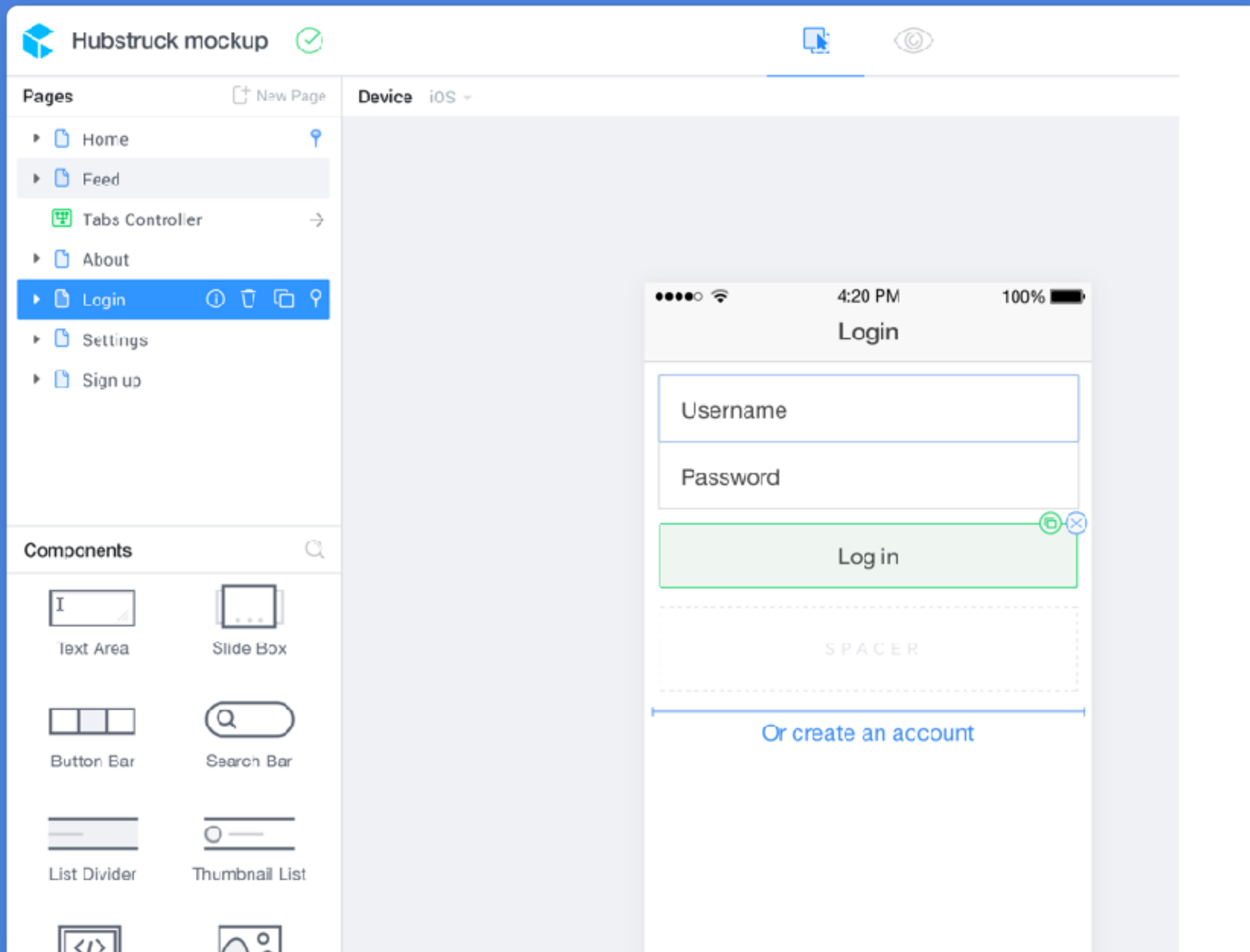




- ▶ Dedizierte Plattform mit Services für Ionic Entwicklung
- ▶ Remote Bug Tracking & Crash Reporting
- ▶ Hot Deployments
- ▶ Cloud Builds

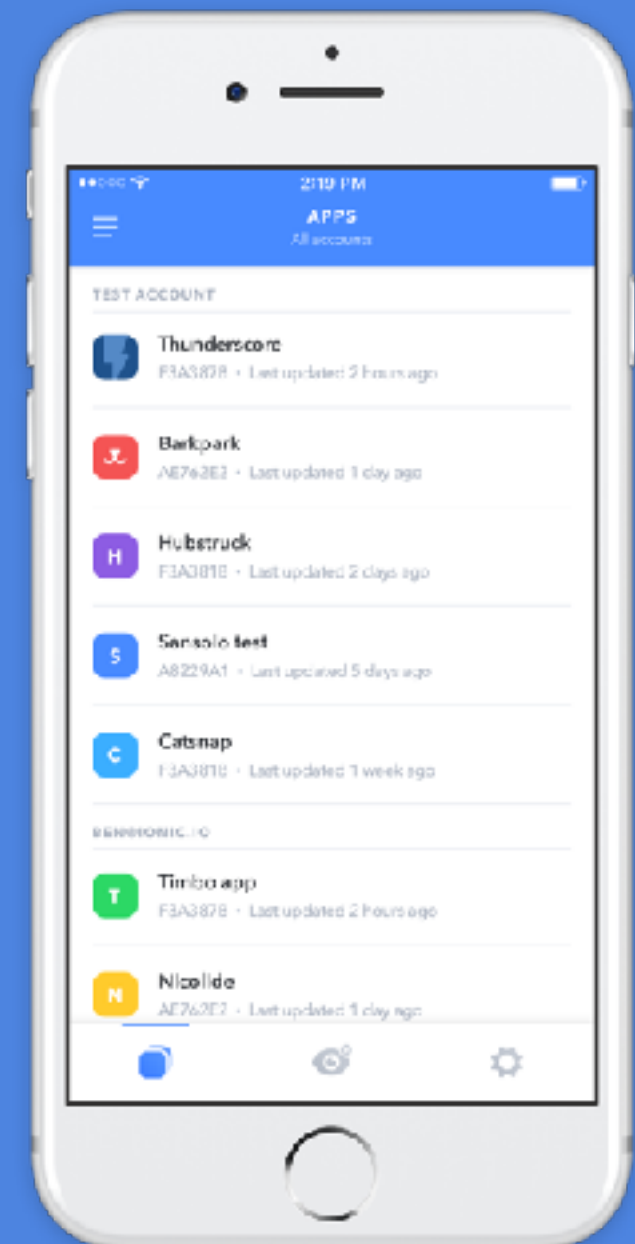






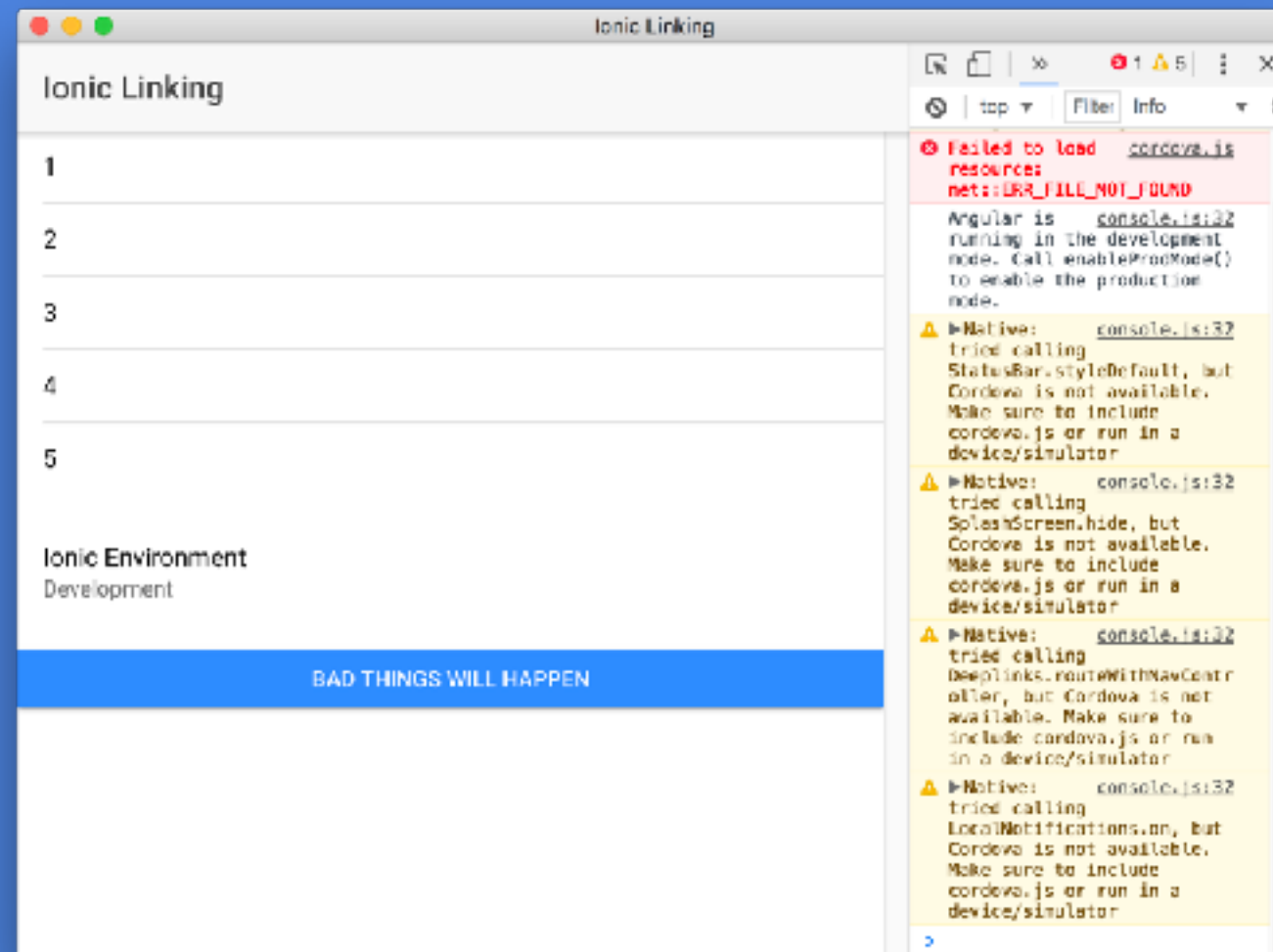


- ▶ Testen von Apps mit Kunden ohne Testflight/Alpha
- ▶ Einladung per Email
- ▶ In-App Feedback mit Screenshot
- ▶ Dev App: Netzwerk Livereload!

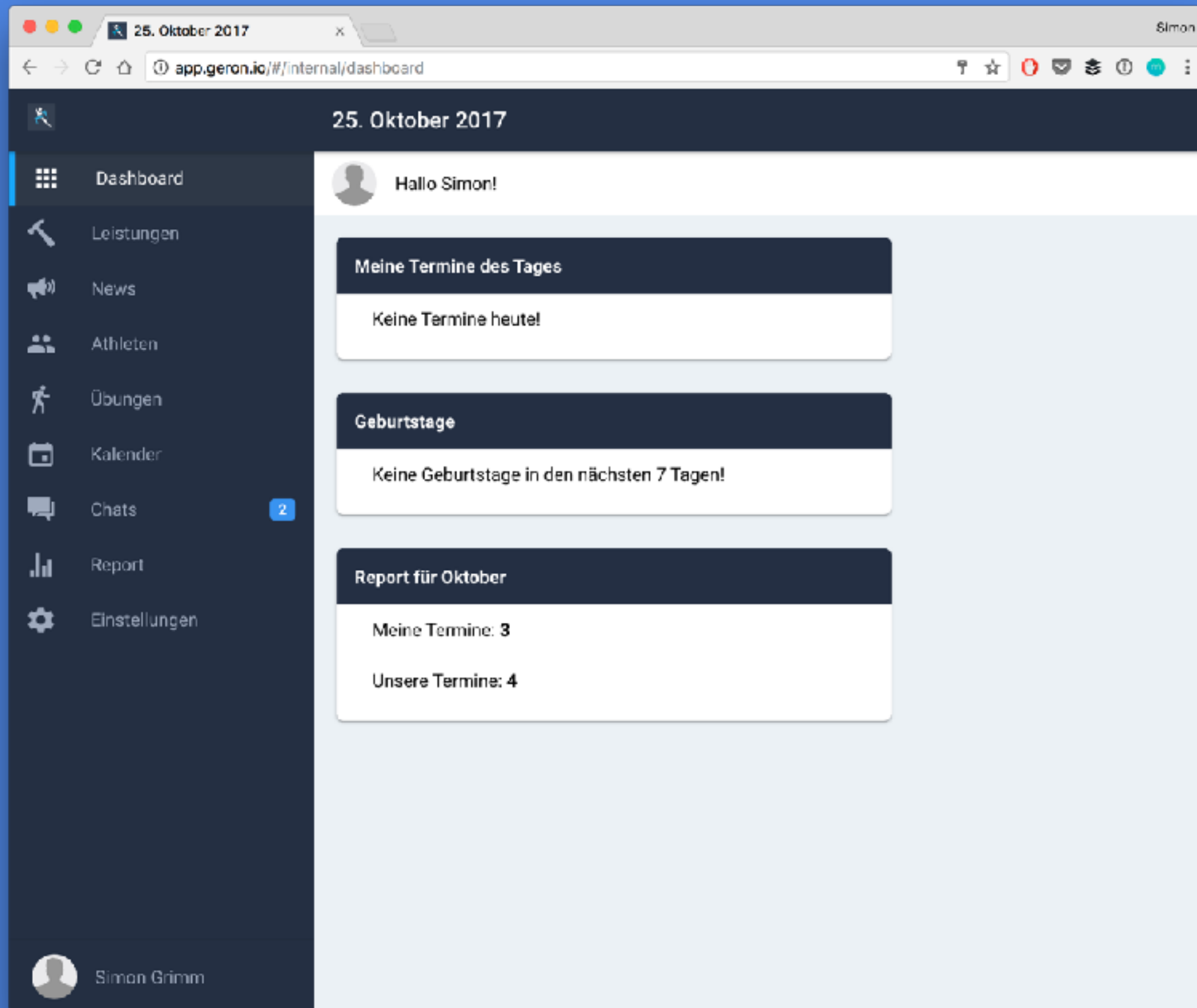




- ▶ Electron
- ▶ Bereitstellung über Apple oder Windows Store möglich
- ▶ Viele Apps basieren unbemerkt auf Electron!



IONIC WEBSITES



**“A PROGRESSIVE WEB APP USES
MODERN WEB CAPABILITIES TO
DELIVER AN APP-LIKE USER
EXPERIENCE.”**

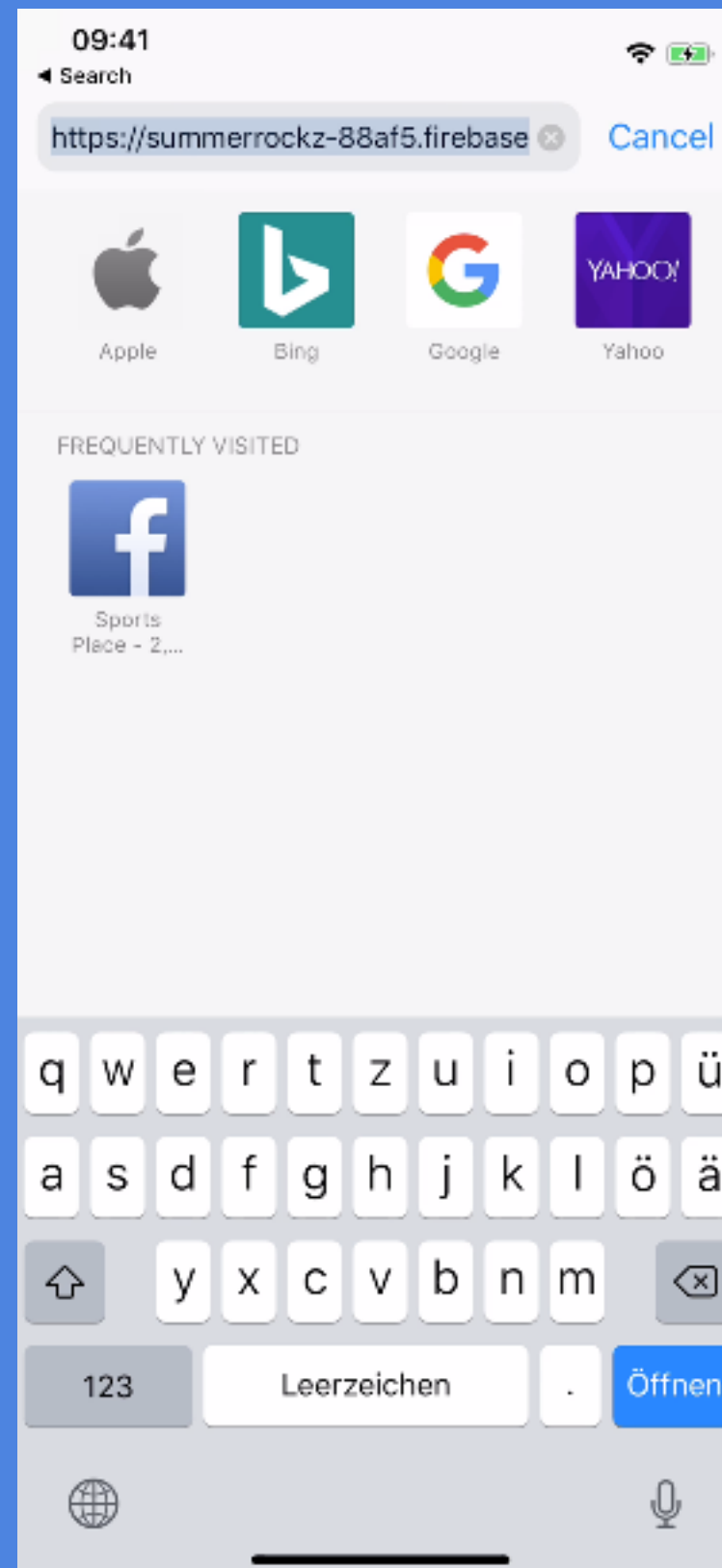
Google PWA



- ▶ Webseite auf Homescreen speichern
- ▶ Offline App möglich dank Service Worker (jetzt auch iOS!)
- ▶ Ionic bereits PWA ready!

```
<!-- un-comment this code to enable service worker  
<script>  
  if ('serviceWorker' in navigator) {  
    navigator.serviceWorker.register('service-worker.js')  
      .then(() => console.log('service worker installed'))  
      .catch(err => console.error('Error', err));  
  }  
</script>-->
```

PWA EXAMPLE





- ▶ Framework unabhängig (Angular, React,...)
- ▶ Performance Optimierung
- ▶ Grenze zwischen mobile App und Web verschwindet immer mehr



▶ Stencil



- ▶ Kompiler zur Erstellung von Web Components

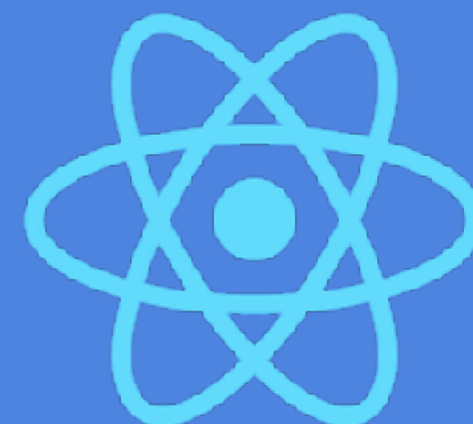
```
<my-component first="Stencil" last="JS"></my-component>
```

▶ Capacitor



- ▶ Cordova verbessert und für Web angepasst

IONIC IST NICHT DIE EINZIGE LÖSUNG





*"It is an exciting time to be a Web Developer!"
- Adam Bradley, Ionic Lead Developer*



Do you Develop?

The Ionic Academy training material

Simon Grimm

Forums - Ionic Academy

Secure https://ionicacademy.com/community/

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Start new topic

ACADEMY DISCUSSION

	Introduce Yourself Don't be the dark strider - say 'Hello World' to the Ionic Academy community!	324 posts	
	General Discussion — Course Questions Discuss anything related to developing Ionic 2 apps.	1,134 posts	
	Other Frameworks & Trends This is the place to talk about other frameworks and topics related to mobile app development.	42 posts	
	Challenges Face the monthly challenge and participate & vote here!	26 posts	
	Ask for Tester If you are developing an app and need some Beta testers then this is your spot!	1 post	
	Share Your Apps Let everyone know about your newest developed Ionic app!	24 posts	
	Code Review Get into details and discuss parts of your code and what might be a better solution to achieve clean code.	97 posts	
	The Room of Spirit and Time Off-topic discussion - we all need this place sometimes.	14 posts	

HOUSEKEEPING

	News & Announcements All of the latest updates from the Academy	38 posts	
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Vielen Dank für eure Aufmerksamkeit!

Fragen?

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