

# Web App Optimizations: Let your application get loaded blazing fast

:::::::::::::::::::::

PWA Oslo meetup  
8<sup>th</sup>, Feb 2018  
Majid Hajian

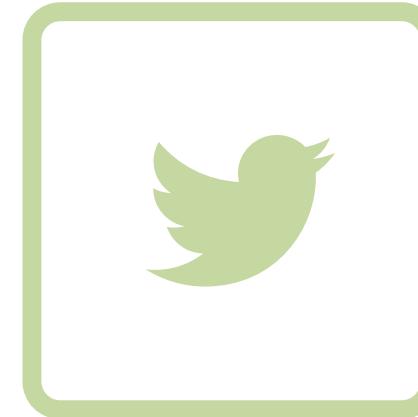




Majid Hajian

## ABOUT ME

- Passionate web developer
- Open Source lover and contributor
- Public speaker,
- Organizer (Vue.js Oslo),
- PacktPub Instructor
- HNPWA Contributor



@mhadaily

-<https://glimmer-hn-pwa.firebaseio.com>



# Glimmer JS

.....



# A fast and lightweight UI component library from the Ember.js team

```
26 didInsertElement() {
27   if (this.appShell) {
28     this.appShell.remove();
29   }
30   router
31   .on({
32     '/': () => router.navigate('uri: /news/1'),
33     '/news/:page': (params) => this.getDataAndLoad(model: 'news', params),
34     '/newest/:page': (params) => this.getDataAndLoad(model: 'newest', params),
35     '/show/:page': (params) => this.getDataAndLoad(model: 'show', params),
36     '/ask/:page': (params) => this.getDataAndLoad(model: 'ask', params),
37     '/jobs/:page': (params) => this.getDataAndLoad(model: 'jobs', params),
38     '/user/:id': (params) => this.getDataAndLoad(model: 'user', params),
39     '/item/:id': (params) => this.getDataAndLoad(model: 'item', params),
40   })
41   .resolve();
42
43   router.notFound(() => router.navigate('uri: /'));
44 }
45
46 didUpdate() {
47   router.hooks({
48     after: () => {
49       this.app.scrollIntoView(arg: false);
50     },
51   });
52 }
53
54 private getEndpoint({ model, id, page }) {
55   return id ? `${API}/${model}/${id}` : `${API}/${model}?page=${page}`;
56 }
```



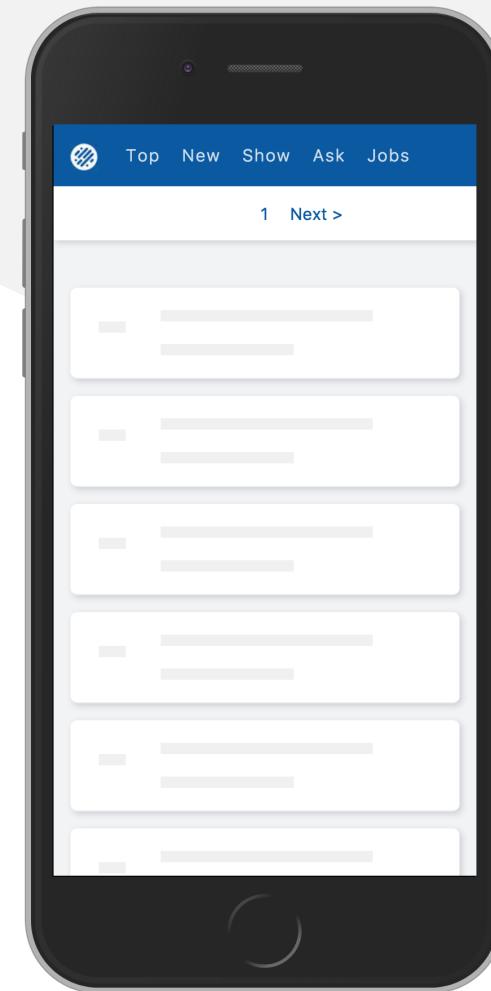
# 1. CSS

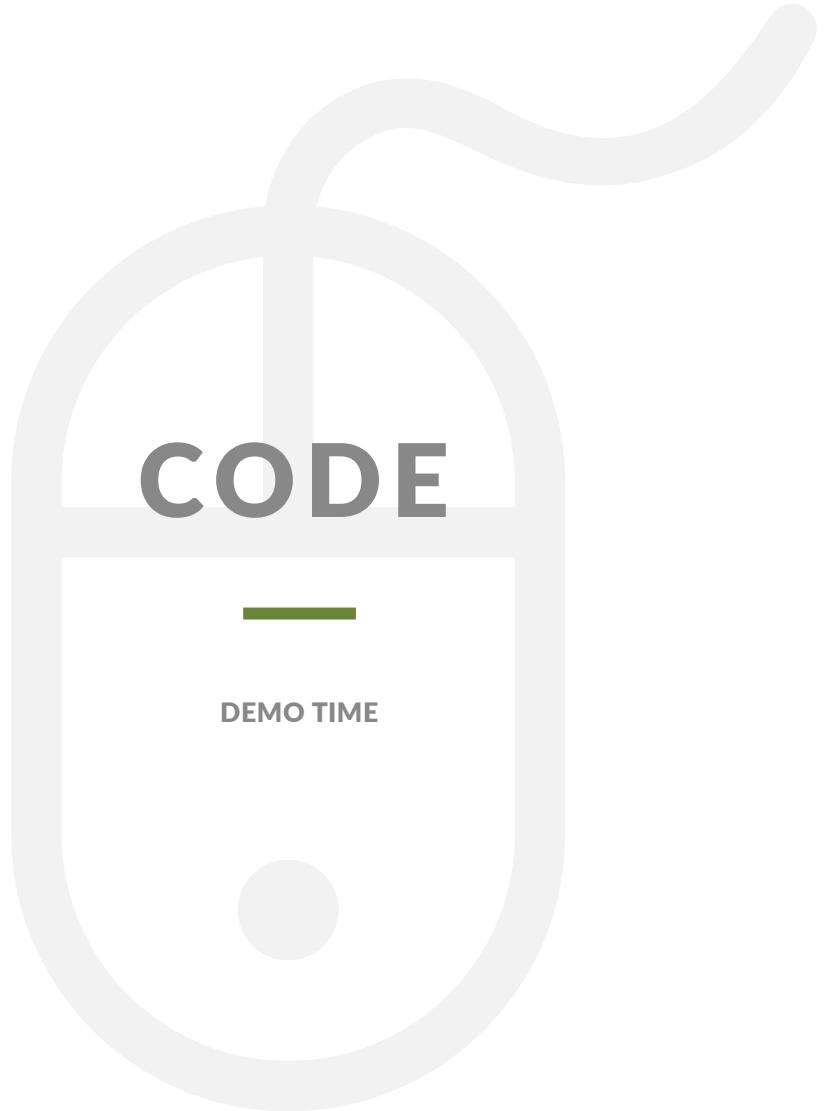
.....

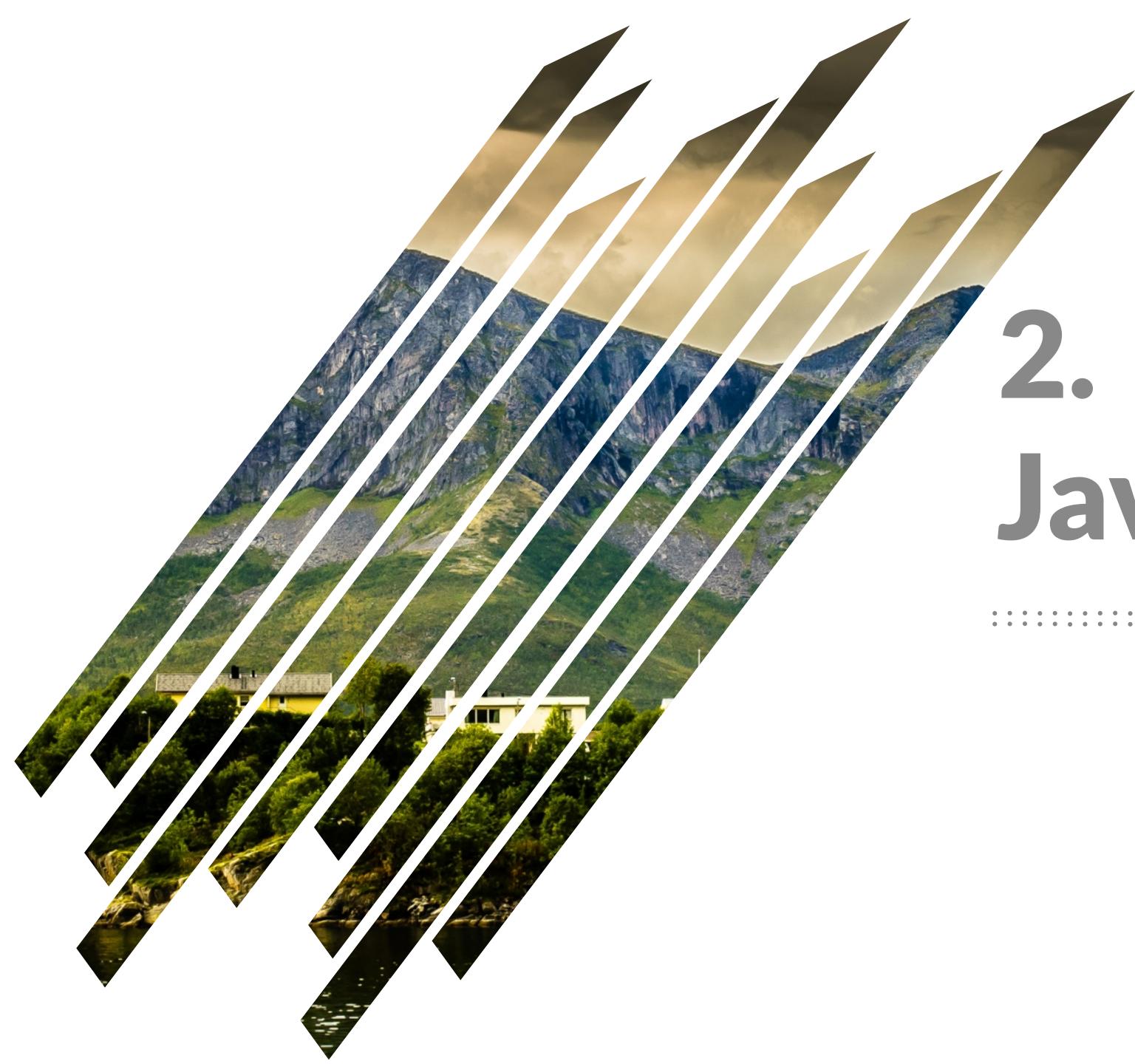
# Styling

CSS

- 01** Flexbox vs Grid
- 02** APP-SHELL
- 03** Critical CSS
- 04** Minify CSS







# 2. Javascript

.....

# JAVASCRIPT

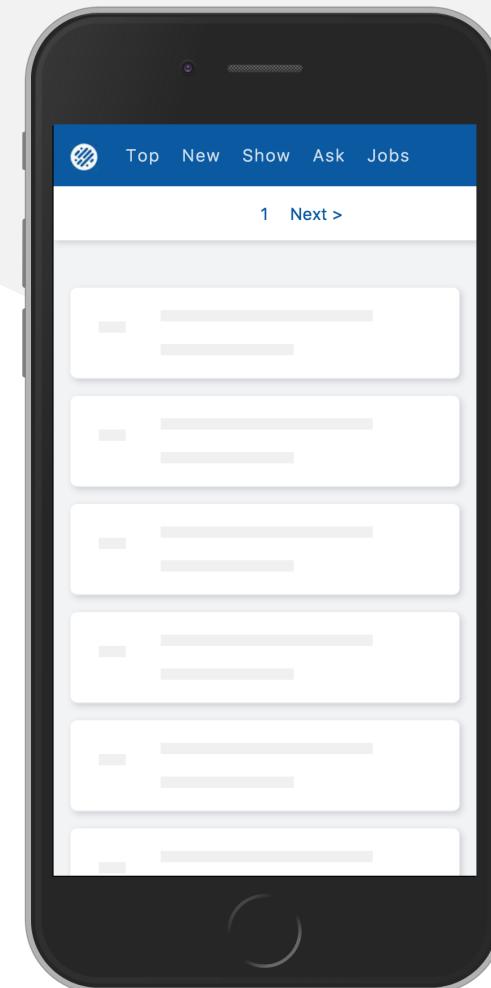
Optimization

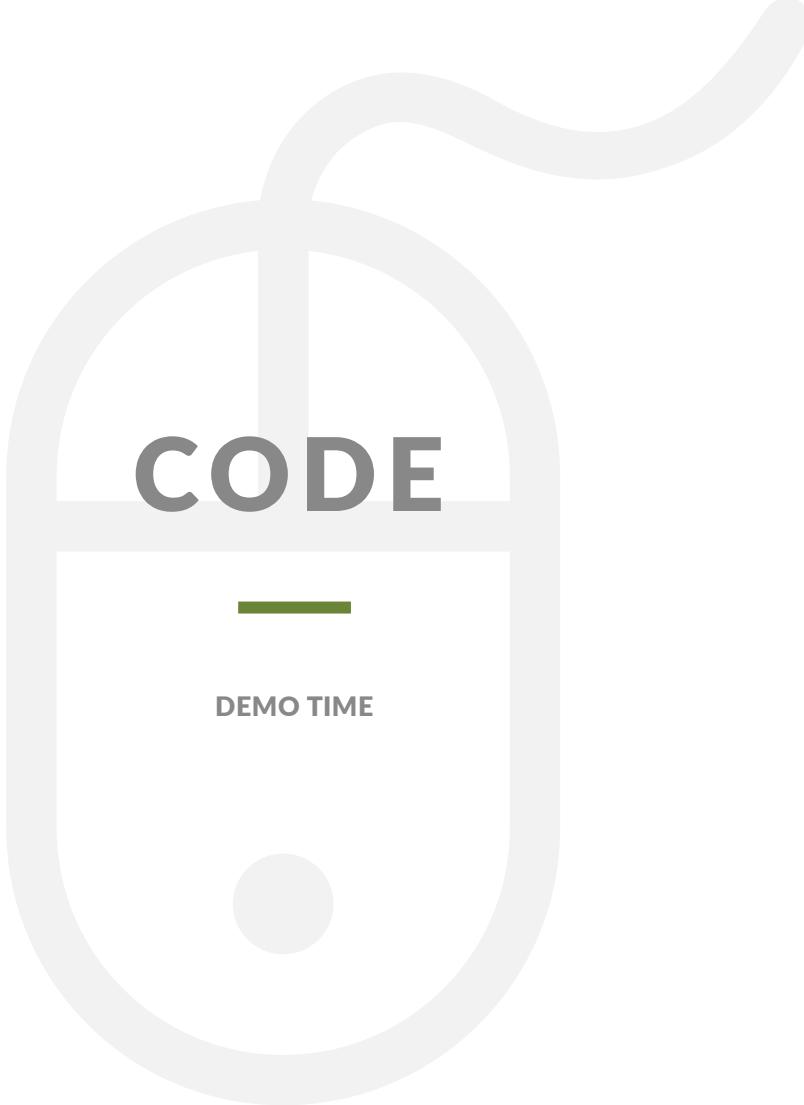
**01** Bundle / Uglyfying

**02** Service Worker / different strategy

**03** Minimal Library

**04** Lazy Loading

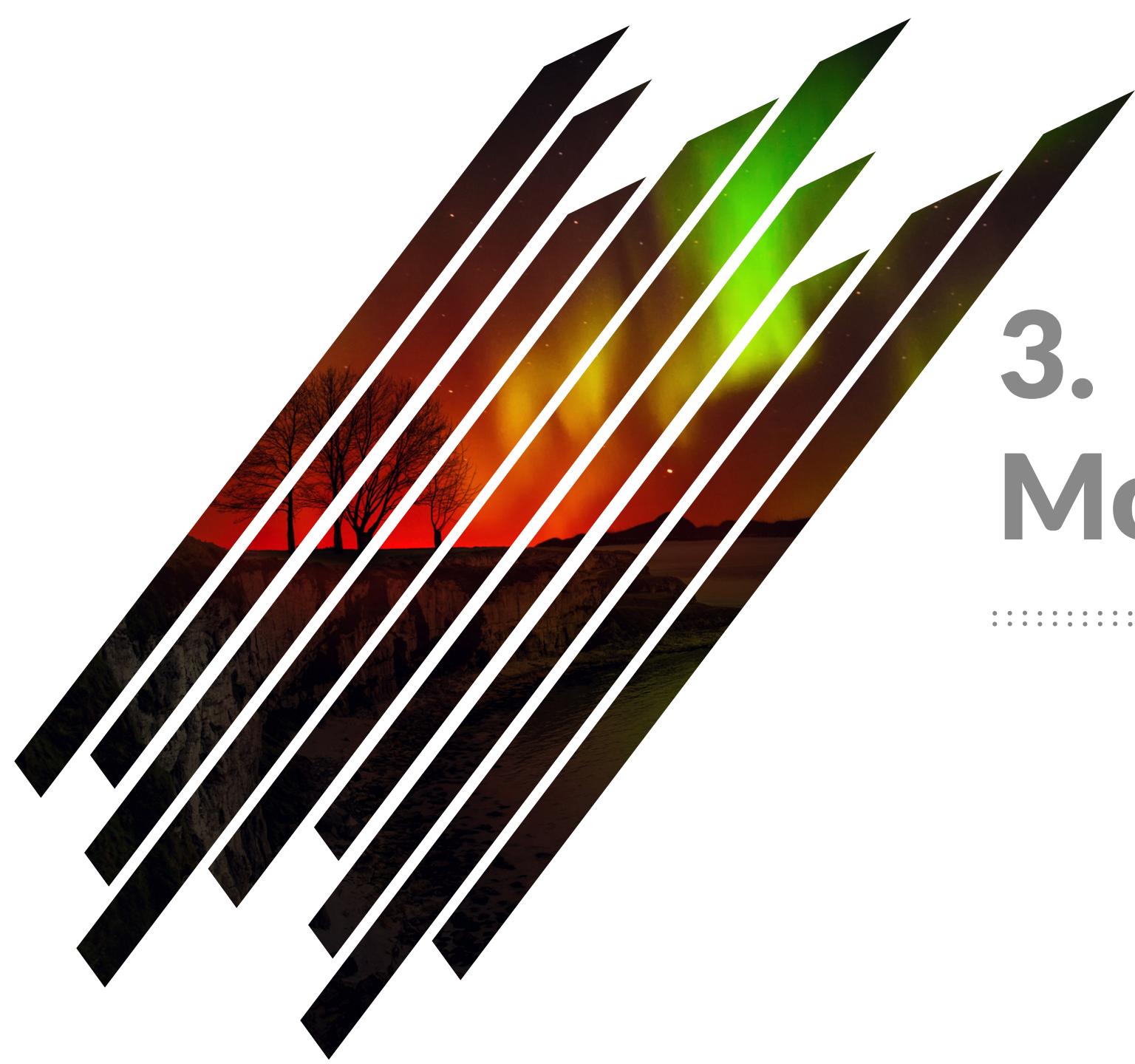




**CODE**

—

DEMO TIME

A landscape photograph of a canyon at sunset or sunrise. The sky is filled with warm orange, red, and yellow hues. In the foreground, there's a dark, flat area with some sparse vegetation. The middle ground shows the layered rock walls of the canyon. The background features a range of mountains under the same colorful sky. A series of thick, black diagonal stripes with white outlines are overlaid on the left side of the image, creating a sense of motion or depth.

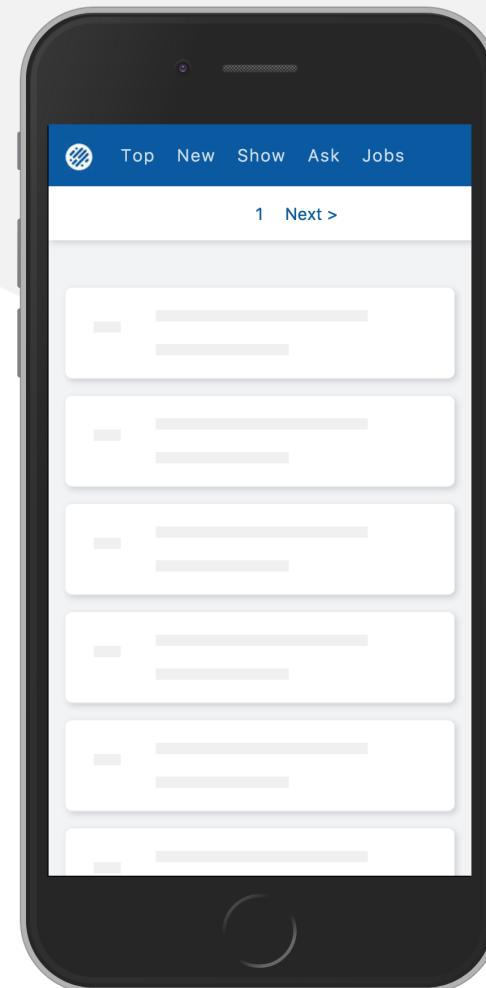
# 3. More...

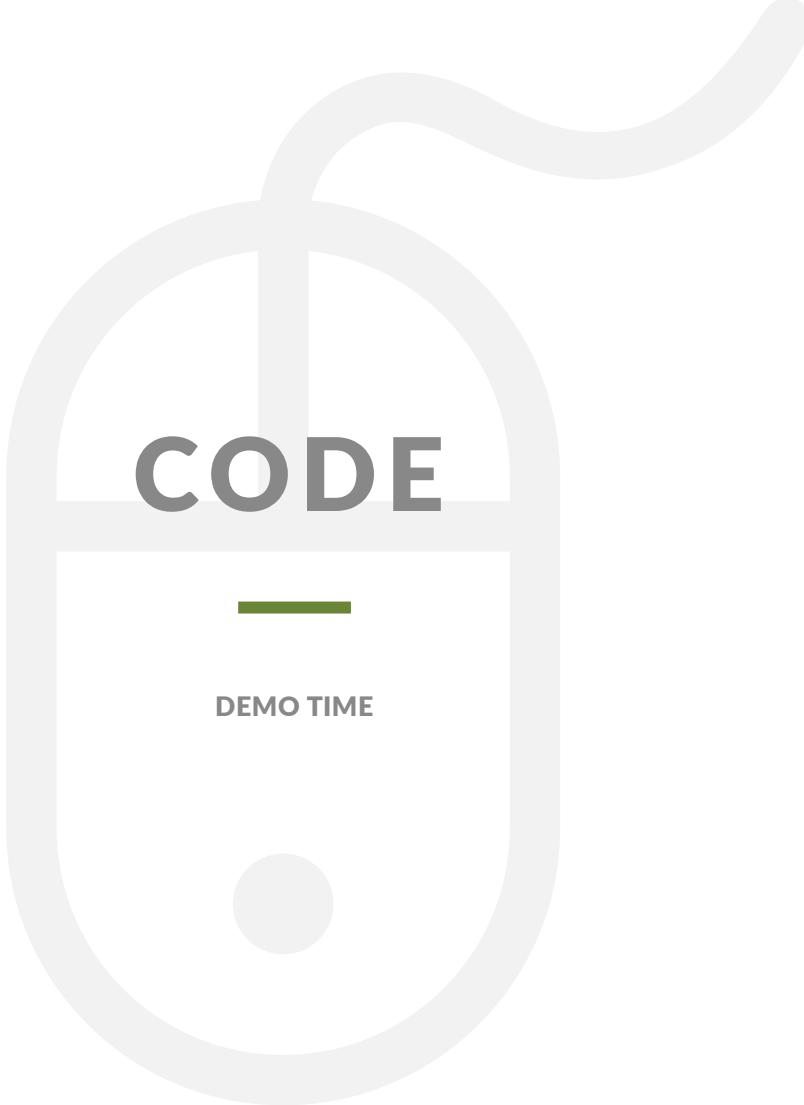
.....

# MORE

Optimization

- 01** HTTP 2
- 02** HTTP2 Server Push
- 03** dns-prefetch
- 04** prefetch
- 05** preload
- 06** Server Side Rendering





**CODE**

—

DEMO TIME

---

# THANK YOU

See You Next Time

---

MAJID HAJIAN

---



@mhadaily