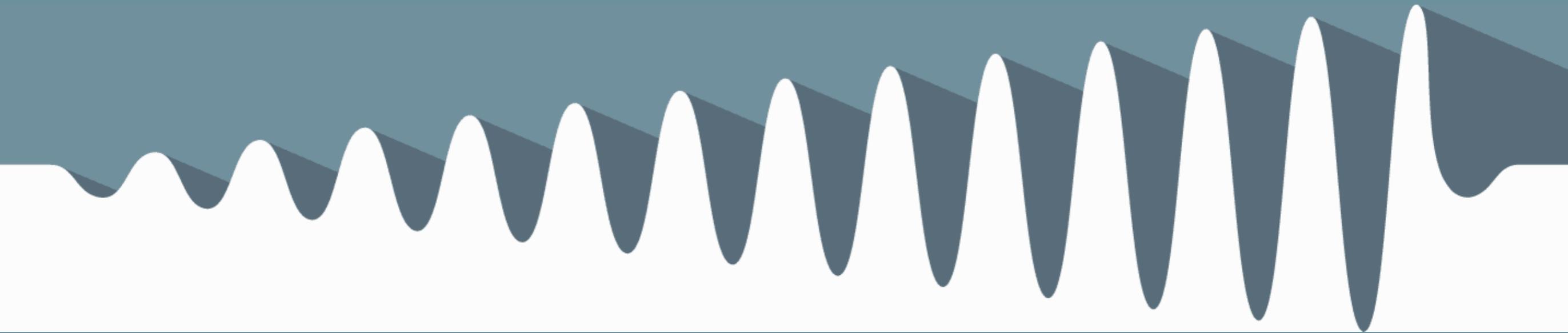


# Introduction into harp

Alexander Reelsen  
@spinscale  
alexander.reelsen@elasticsearch.com

# About me

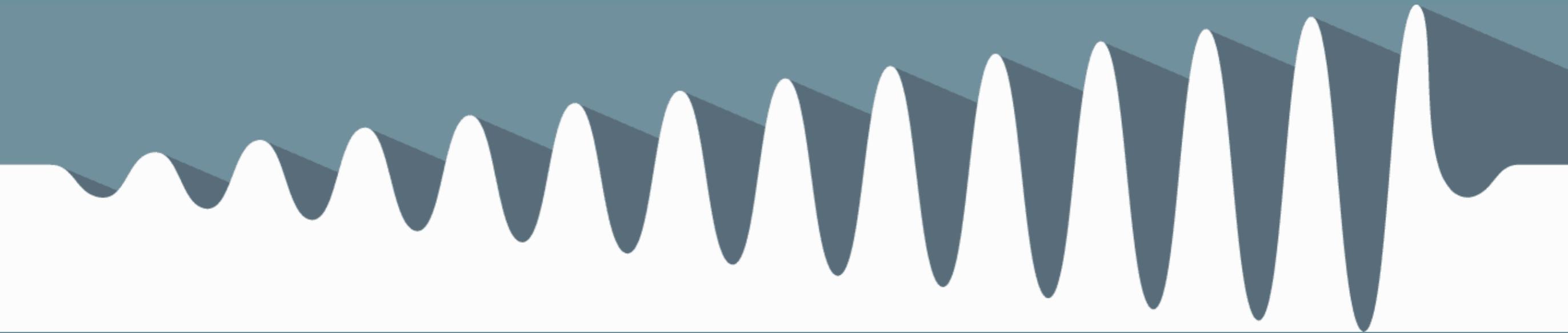
- ▶ Developer at Elasticsearch
- ▶ Interested in all things scale, search & a bit web
- ▶ No clue about web design
  
- ▶ likes tech meetups...



# More search...

▶ Check out the Search Meetup Munich (15th Dec)

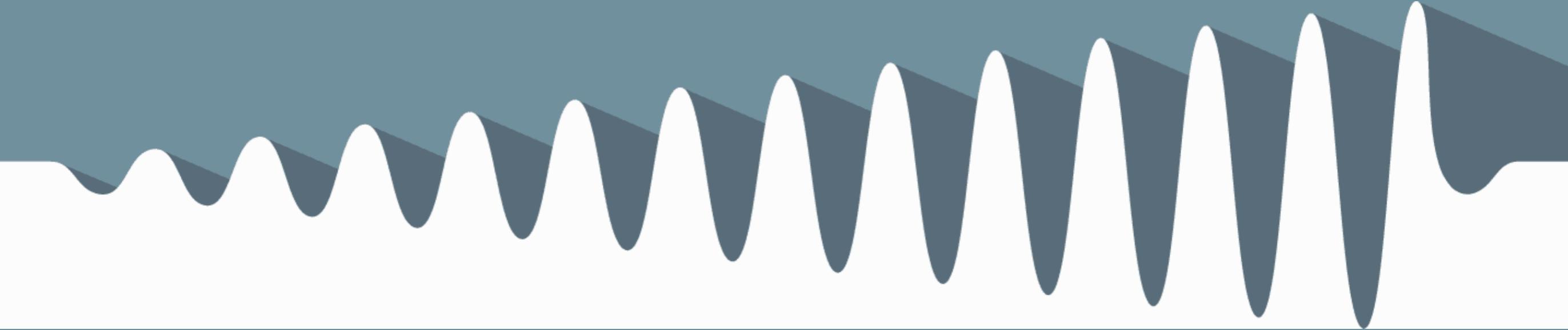
<http://www.meetup.com/Search-Meetup-Munich/events/218856224/>



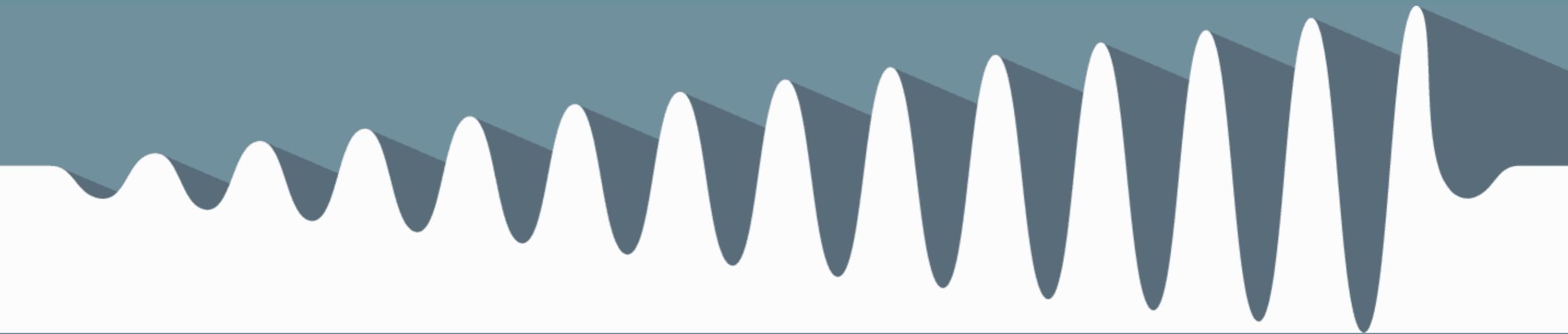
# Devcamp anyone?

- ▶ Like a barcamp, but for developers only!
- ▶ Location for 150 people
  - One big room
  - 5 small conference rooms
- ▶ Sponsors wanted as well

**Contact me!**



# Introduction



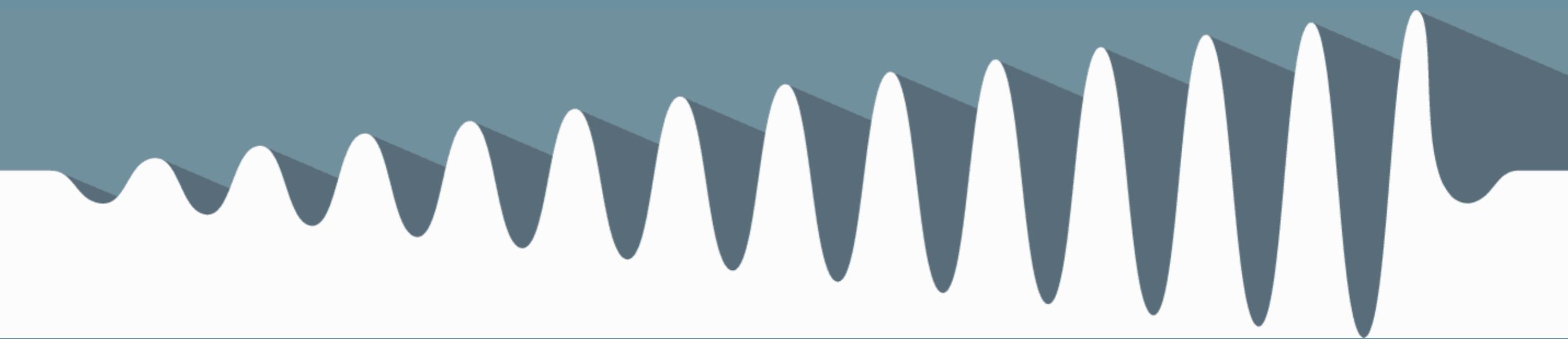
# Static site generators

▶ There are a few out there... 388

<https://staticsitegenerators.net/>

▶ Known ones

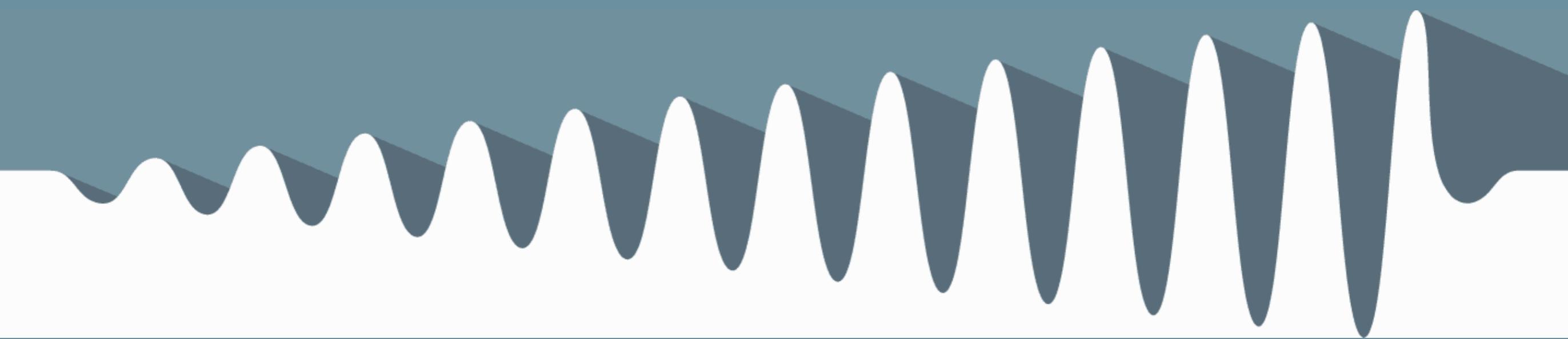
Jekyll, Octopress, Pelican, Middleman



# Use-Cases

- ▶ Prototyping
- ▶ Documentation
- ▶ Small websites
- ▶ Blogs
- ▶ Potentially replacing misused CMS

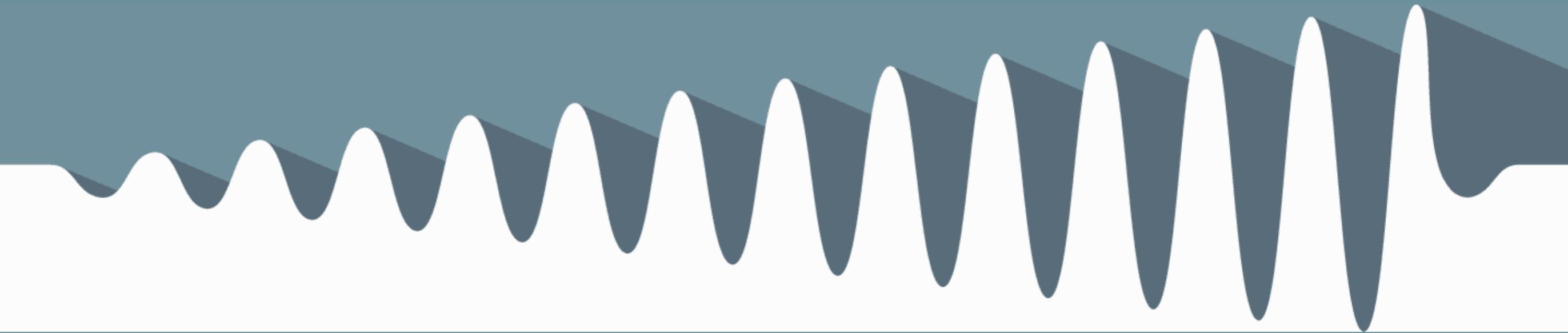
# harp

- ▶ static web server with built-in preprocessing
  - ▶ HTML: EJS, Jade, Markdown
  - ▶ CSS: LESS, Stylus, SASS
  - ▶ JS: Coffeescript
- 

# Installation

```
npm install -g harp  
harp init myproject  
harp server myproject
```

# Features



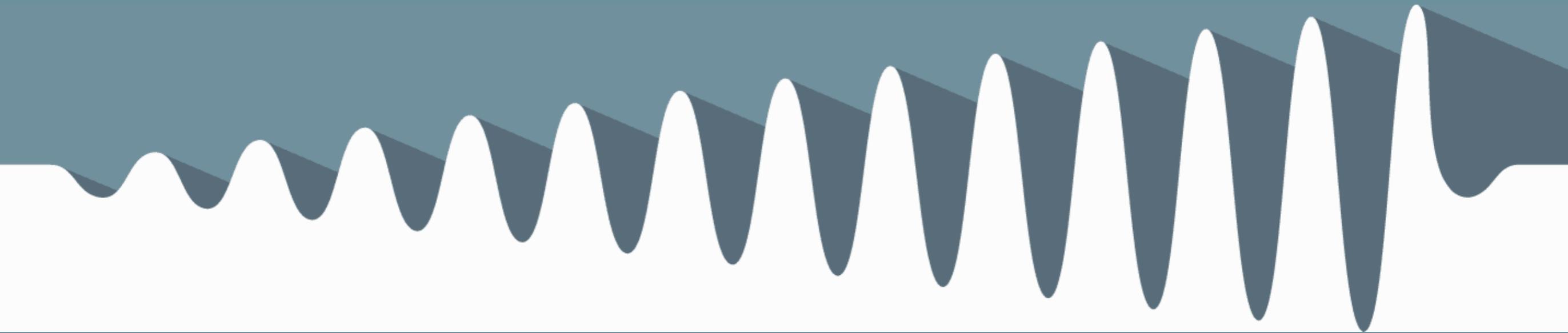
# Command line options

▶ `harp compile`

creates compiled HTML/CSS/JS for static hosting

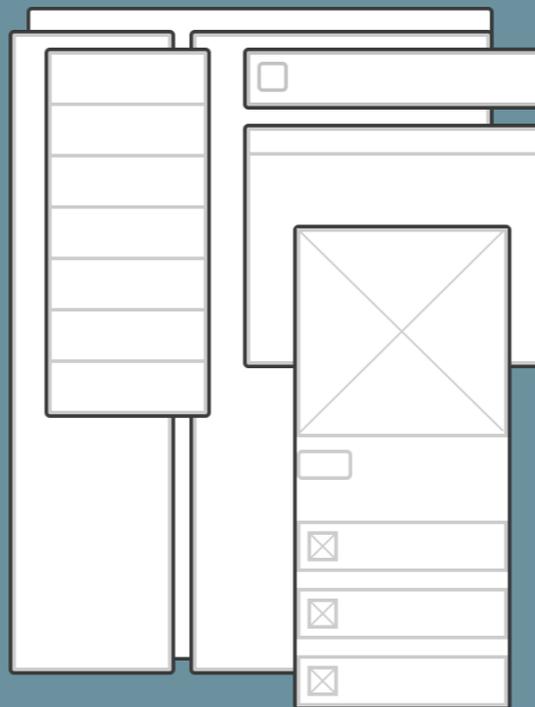
▶ `harp multihost`

allows to develop multiple projects in parallel



# Features - Partials

```
<!-- _nav.ejs -->  
<nav>  
  <a href="#">Home</a>  
  <a href="#">Product</a>  
  <a href="#">Services</a>  
</nav>
```



```
<!-- index.ejs -->  
<body>  
  <%= partial("_nav") %>  
  <h1>Services</h1>  
  <!-- etc. -->  
</body>
```

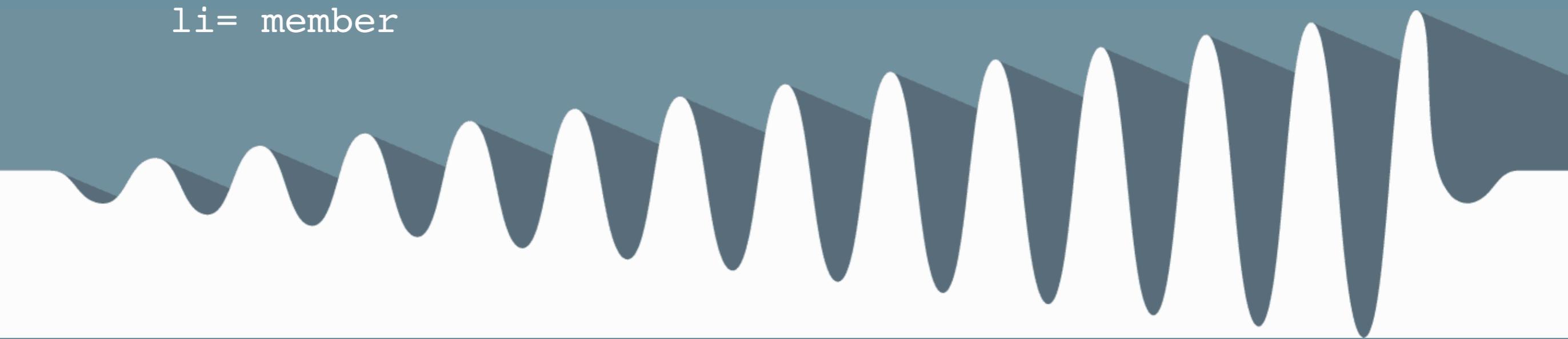
# Features - Metadata

```
{  
  "team": {  
    "title": "Team page",  
    "members": ["Rob", "Brock", "Jorge"]  
  }  
}
```

\_data.json

```
h1= title  
ul  
  each member in members  
    li= member
```

team.jade



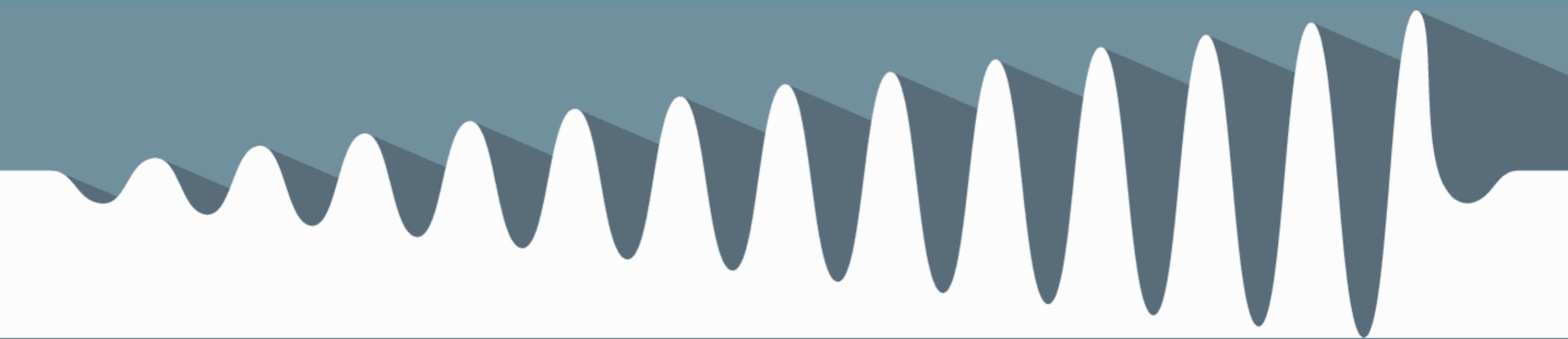
# Integration - express.js

```
var express = require("express");  
var harp = require("harp");  
var app = express();  
  
app.configure(function() {  
  app.use(express.static(__dirname + "/public"));  
  app.use(harp.mount(__dirname + "/public"));  
});
```

# Features - Boilerplates

- ▶ `harp init -b harp-boilerplates/hb-blog`
- ▶ Blog, Bootstrap, Presentations...

<https://github.com/harp-boilerplates>



# Features - Environment

- ▶ Act different depending on your environment  
production || development
- ▶ Display drafts etc..
- ▶ Different caching strategy (LRU vs. none)
- ▶ `harp compile` is production as well!

# Features - Deployment

- ▶ GitHub Pages
- ▶ Heroku
- ▶ Azure
- ▶ [harp.io](https://harp.io)

# Features...

- ▶ Support for `globals.json`
- ▶ `current` object for application state
- ▶ Basic Auth
- ▶ Custom 404, 200 (for client apps)
  
- ▶ More help through recipes  
<http://harpjs.com/recipes/>

# Not (yet) implemented...

- ▶ browser-sync

<https://github.com/sintaxi/harp/pull/360>

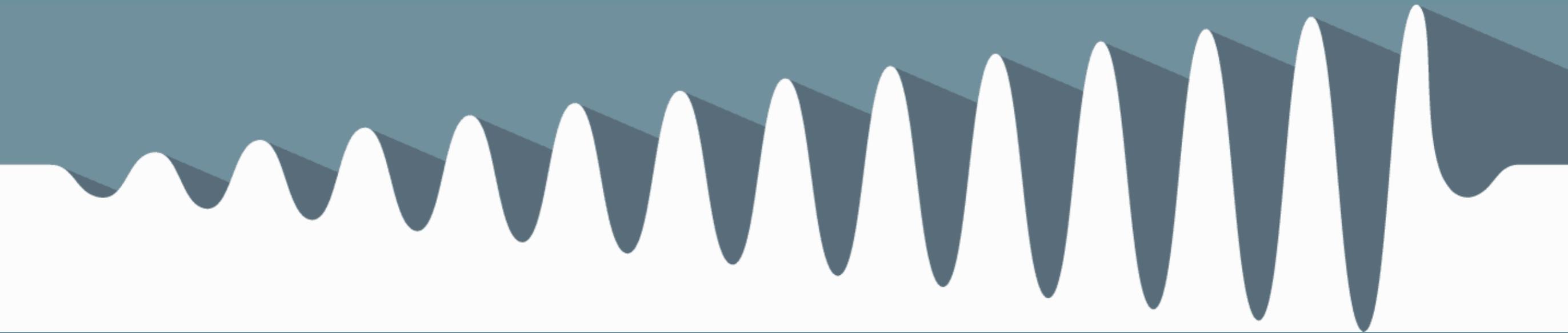
- ▶ terraform needs to be updated more regularly

lots of pending PRs with support for other languages

- ▶ Big picture: Harp editor

<https://github.com/silentrob/harp-editor>

DEMO



# Resources

▶ Harp

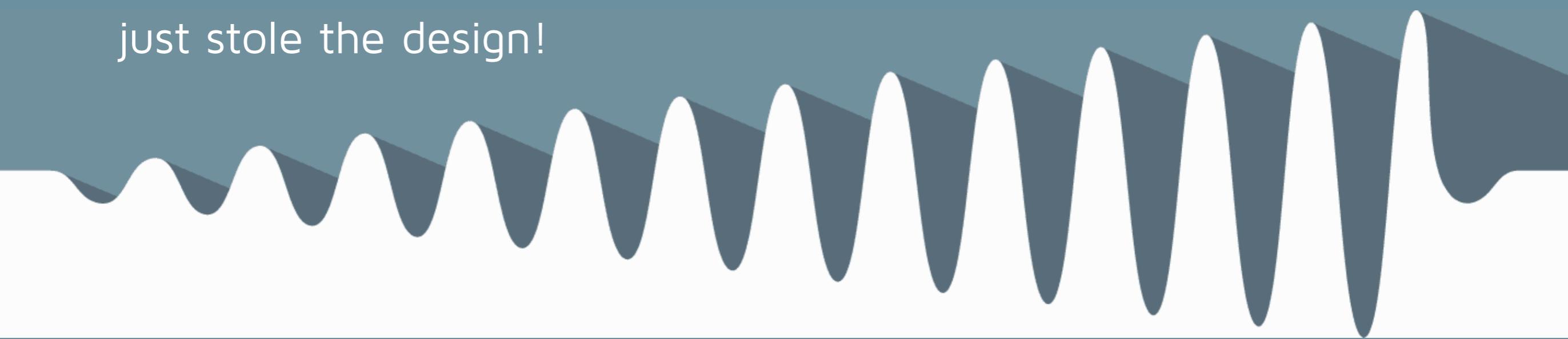
<http://harpjs.com/>

<https://github.com/sintaxi/harp>

▶ Harp Platform

<https://www.harp.io/>

▶ **Note:** No affiliation with harp  
just stole the design!



Thanks for listening!

Alexander Reelsen  
@spinscale  
alexander.reelsen@elasticsearch.com

