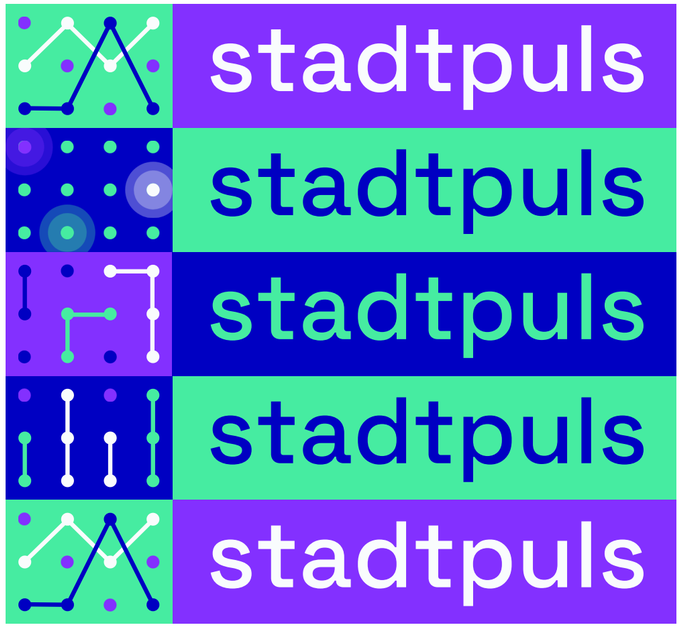
[api.]stadtpuls.com

/behind/the/curtain

Julia Zimmermann, Ingo Hinterding, Dennis Ostendorf,
Lucas Vogel & Fabian Morón Zirfas

2021-10-20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- @Ideation & Prototyping Lab
- @Technologiestiftung Berlin
- GitHub: @ff6347

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- UI/UX Designer & Frontend Developer
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- @Technologiestiftung Berlin
- GitHub: @vogelino

T.O.C.

- Stadtpuls Tech Stack
- Konvention vor Konfiguration
- Dokumentation
- Qualitätssicherung

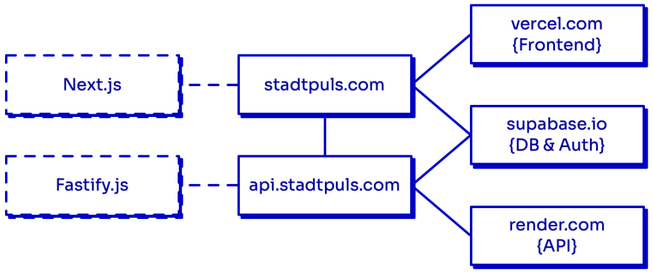
Online Präsentation

technologiestiftung.github.io/stadtpuls-behind-the-curtain

Stadtpuls Tech Stack

[api.]stadtpuls.com

Tech-Stack



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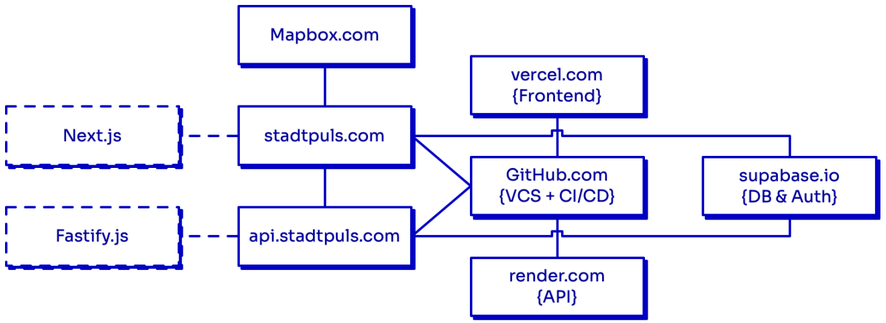
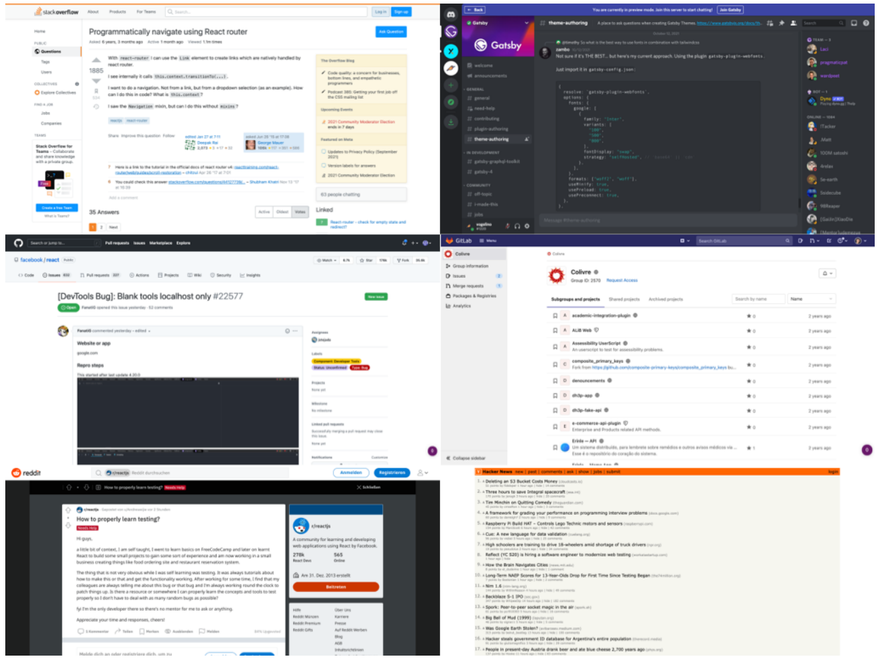
Tech-Stack

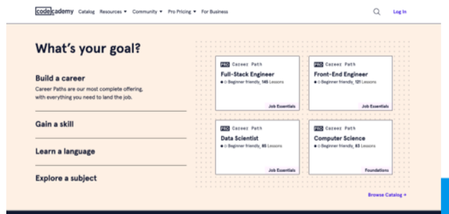


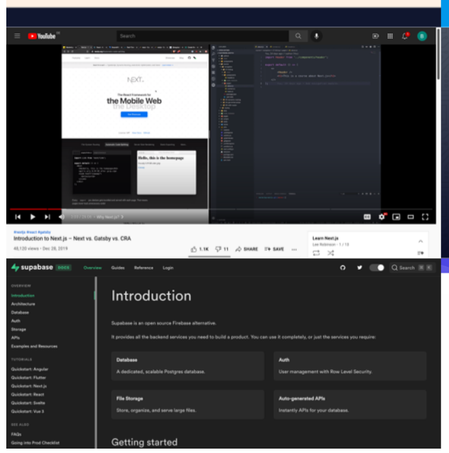
Konvention Vor Konfiguration

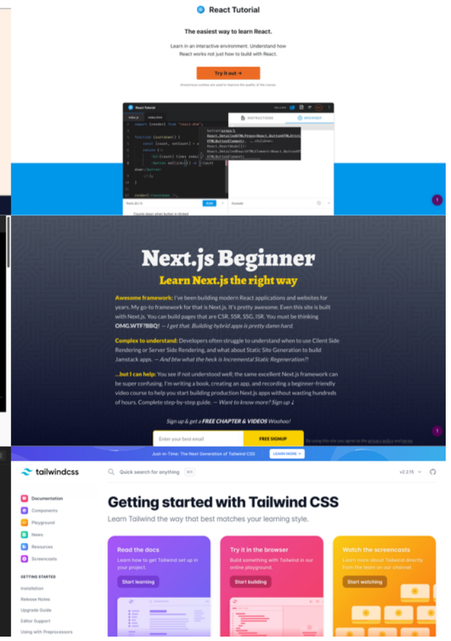
Große Communities



Viele Resourcen





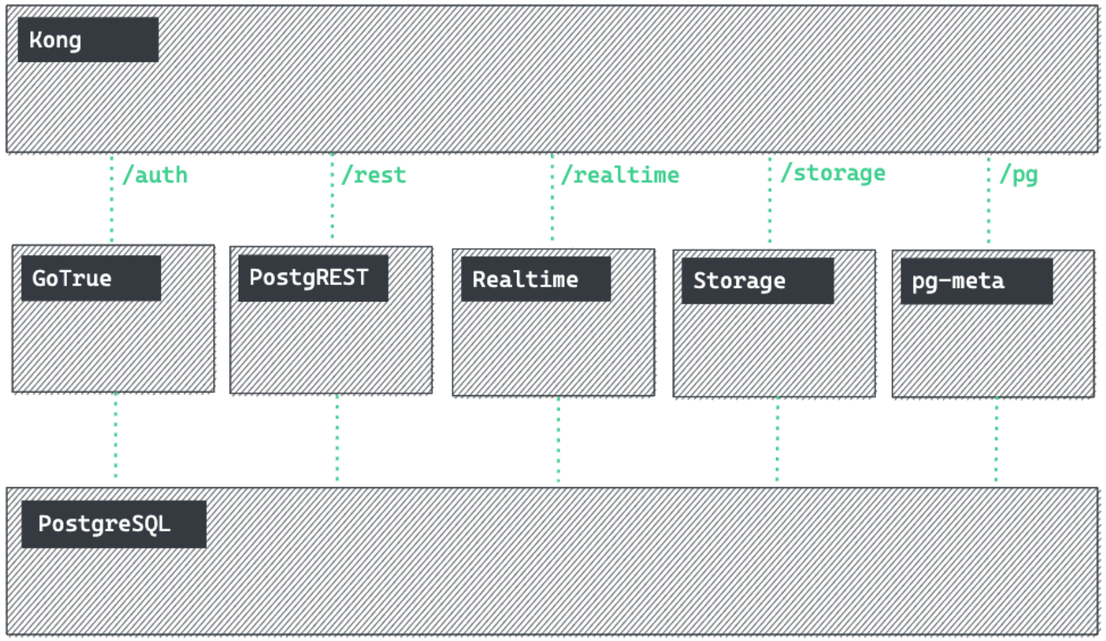


Open Source/Core

supabase

Backend As A Service Startup

Supabase is an open source Firebase alternative.


Kong
/auth
/rest
/realtime
/storage
/pg
GoTrue
PostgREST
Realtime
Storage
pg-meta
PostgreSQL

Dokumentation

JavaScript...

```
export const SigninButton= (props) => {
  return <><button onClick={
    (e) => {
    e.preventDefault();
    console.log(props.email, props.password);
  }}/></>
}
```

...Versus Typescript

```
interface SigninProps {
  email: string;
  password: string;
}
export const SigninButton: React.FC<SigninProps> = ({
  email, password
}) => {
  return <><button onClick={
    (e: React.ChangeEvent<any>) => {
    e.preventDefault();
    console.log(email, password);
  }}/></>
}
```

Fastify JSON Schemas

JSON Schema

POST http://example.com/api/cats

```
{
  "$id": "https://example.com/api/cats.schema.json",
  "title": "cats",
  "type": "object",
  "additionalProperties": false,
  "properties": {
    "name": {
      "type": "string",
      "description": "The cat's name."
    },
    "mood": {
      "description": "The mood the cat is in.",
      "enum": ["grumpy", "happy", "purrrr!"]
    }
  },
  "required": ["mood"]
}
```

Request 201

```
POST /api/cats HTTP/1.1
Host: example.com
Content-Type: application/json

{"mood": "purrrr!"}
```

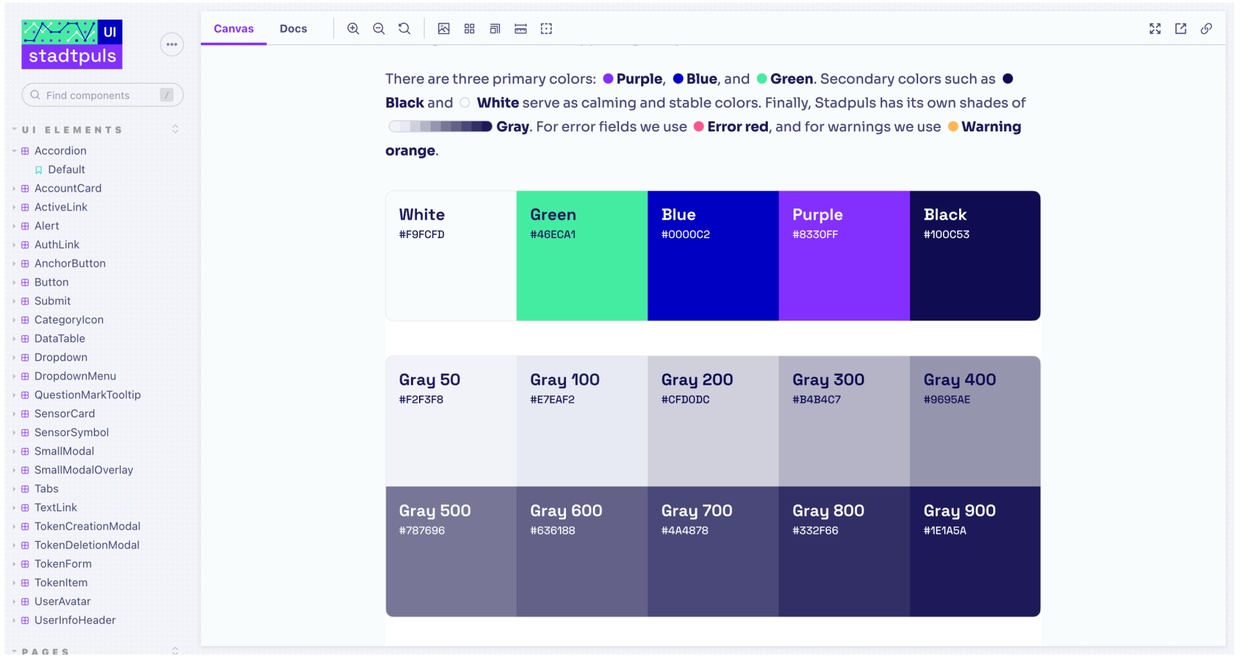
Request 400

```
POST /api/cats HTTP/1.1
Host: example.com
Content-Type: application/json

{"mood": "purrrr!", "saz": "I hate Mondays!"}
```

```
{
  "statusCode": 400,
  "error": "Bad Request",
  "message": "body should NOT have additional properties"
}
```

Storybook


UI
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Find components
/
UI ELEMENTS
Accordion
Default
AccountCard
ActiveLink
Alert
AuthLink
AnchorButton
Button
Submit
CategoryIcon
DataTable
Dropdown
DropdownMenu
QuestionMarkTooltip
SensorCard
SensorSymbol
SmallModal
SmallModalOverlay
Tabs
TextLink
TokenCreationModal
TokenDeletionModal
TokenForm
TokenItem
UserAvatar
UserInfoHeader
PAGES
Canvas
Docs
There are three primary colors: Purple, Blue, and Green. Secondary colors such as Black and White serve as calming and stable colors. Finally, Stadpuls has its own shades of Gray. For error fields we use Error red, and for warnings we use Warning orange.
White
#F9FCFD
Green
#46ECA1
Blue
#0000C2
Purple
#8330FF
Black
#100C53
Gray 50
#F2F3F8
Gray 100
#E7EAF2
Gray 200
#CFD0DC
Gray 300
#B4B4C7
Gray 400
#9695AE
Gray 500
#787696
Gray 600
#636188
Gray 700
#4A4878
Gray 800
#332F66
Gray 900
#1E1A5A

Qualitätssicherung

Testing

- Unit-testing
- Snapshot-testing
- Integration-testing

Storybook

Code Reviews

Github Actions

- CI (Continuous Integration)
- CD (Continuous Delivery)
- CD (Continuous Deployment)

Continuous Integration
Continuous Delivery
Continuous Deployment
Build
Test
Merge
Automatic release to staging
Automatic deploy to production

Staging Environments

Q & A

Danke

für Ihre Aufmerksamkeit