

Blog Website

Goals

1. Single view that lists all relevant blogs.
2. Entries are rendered from a static json file.
3. Entries simply redirect to the original blog post on the original site.
4. Blog entries are easily updated (no code changes required; config is not code).
5. Urls for blogs are customizable.
6. Direct links to specific customized urls seamlessly redirect.
7. Blogs are ordered by date.
8. Blogs can be filtered by date.
9. Blogs can be filtered by source.
10. Blogs can be searched by name using an in-memory keyword search.

Stretch

11. The site can toggle between light and dark mode.
12. The site tracks traffic through website analytics with something like Google Analytics 4 (GA4).
 - a. <https://newsletter.goodtechthings.com/p/this-is-what-software-developmen>
 - b. <https://shortjared.github.io/typesense-ai-comic-search>
13. Replace search by name with a full text search capability with something like Elasticsearch.

- a. Search by Name, Date, Author, Content, and any other text in the blogs or metadata
- b. Requires Elasticsearch (or similar) infrastructure
- c. Requires Extract, Transform, and Load (ETL) job to update search indexes
- d. Requires a feature flag for enabling/disabling full text search capabilities without breaking the app (and without code changes)
 - i. When full text search is disabled, fall back to the search by name.

Notes

- Goals are listed in order of importance.

Description

Currently, out of obligation, I have to maintain blog posts across multiple sites.

1. Bravo LT (Wix): <https://www.bravolt.com/blog>
2. Dev (Personal): <https://dev.to/wheeleruniverse>
3. Dev (AWS Community Builders): <https://dev.to/aws-builders>
 - a. Currently using Dev, but may change at any time

Since I am using other platforms to host my blogs I have to live within those platforms limitations. I hope to overcome some of those specific limitations listed below.

Bravo LT Blogs

- There is no capability of showing multiple authors on a piece. E.g.
<https://www.bravolt.com/post/our-quest-for-the-perfect-code-assessment>

Dev Blogs

- There is no capability of customizing the urls that I want to share. E.g.
<https://dev.to/aws-builders/how-i-crushed-my-aws-certification-renewals-back-to-back-and-why-it-was-a-bad-idea-56fh>
- Blogs retain their original url, even if updated. E.g.
<https://dev.to/wheeleruniverse/my-october-cloud-guru-challenge-experience-5ecg>

Notes

- I don't like that some of my blogs fall under the "AWS Builders" space and some under the "Wheeler Universe" space.
- I don't like that random digits are appended to each url. It makes it impossible to guess the url.
- I don't like that I can't shorten urls for longer blog titles.

Tech Details

Preferred Tech Stack

- Vue
- TypeScript
- Tailwind CSS
- Vite
- Prettier
- ES Lint

Hosting Options

- AWS
- DigitalOcean

- Netlify

JSON Config

JavaScript

```
interface BlogConfig {  
  features: BlogFeature[];  
  data: BlogEntry[];  
}  
  
interface BlogFeature {  
  enabled?: boolean; // disabled: false/undefined, enabled: true  
  name: string;  
}  
  
interface BlogEntry {  
  collab?: boolean; // sole author: false/undefined, co-author: true  
  date: string;  
  name: string;  
  slug: string;  
  source: string;  
}  
  
const config = {  
  "features": [  

```

```
{
  "enabled":false,
  "name":"full-text-search"
},
{
  "collab":false,
  "date":"2020-12-18",
  "name":"AWS ML Recommendation Engine",
  "slug":"aws-ml-recommendation-engine",
  "source":"https://dev.to/wheeleruniverse/my-october-cloud-guru-challenge-experience-5ecg"
},
{
  "date":"2024-05-09",
  "name":"How I Crushed My AWS Certification Renewals Back-to-Back (and Why It Was a Bad Idea)",
  "slug":"aws-cert-renewals-back-to-back",
  "source":"https://dev.to/aws-builders/how-i-crushed-my-aws-certification-renewals-back-to-back-and-why-it-was-a-bad-idea-56fh"
},
{
  "collab":true,
```

```
    "date": "2021-08-11",  
    "name": "Our Quest for the Perfect Code Assessment",  
    "slug": "code-assessment-quest",  
  
    "source": "https://www.bravolt.com/post/our-quest-for-the-perfect-code-assessment"  
  }  
]  
}
```

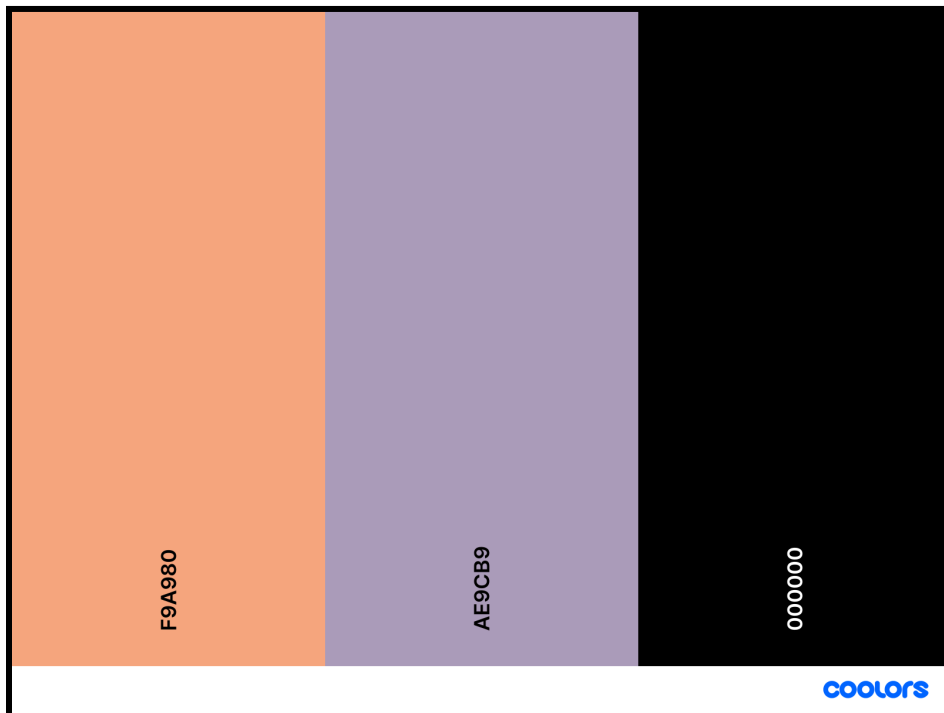
Styles

Live under the Wheeler Universe brand.

- Brand logo should be prominent



- Color scheme should compliment brand logo
 - <https://brandfolder.com/workbench/color-palette>
 - <https://www.canva.com/colors/color-wheel/>



- Modern professional aesthetic

Data

Sole Author

- All blogs from <https://dev.to/wheeleruniverse>

Collaborations

- These specific blogs:
 - <https://www.bravolt.com/post/our-quest-for-the-perfect-code-assessment>