

Jekyll

a simple, blog-aware, static site generator in Ruby

About me

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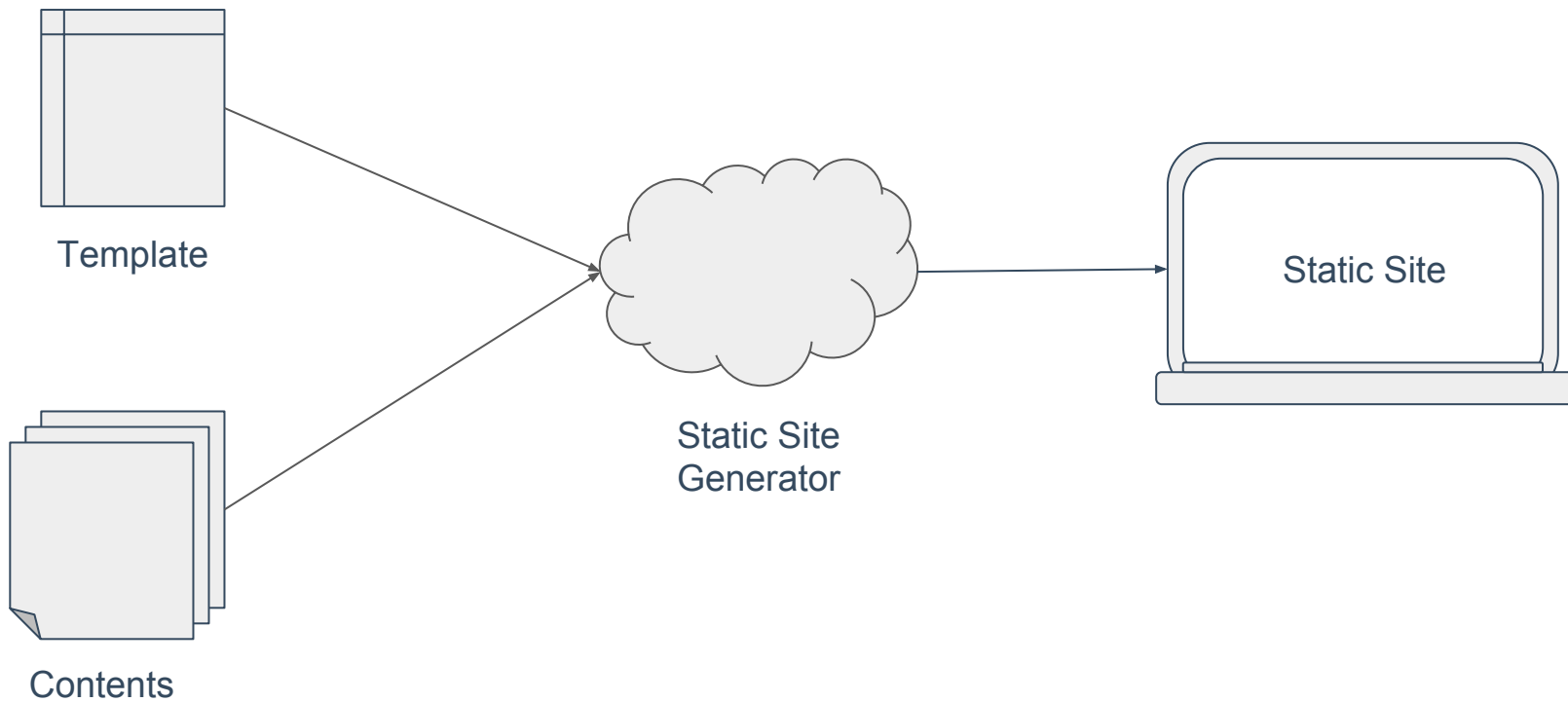
[@kulik_io](#)

<http://www.kulik.io/>

What is a static site generator?

- Converts source files into a static website
- Compromise between a hand-coded static site and a full CMS
- There are a lot of them ([~459](#))

How does it work?



Pros and Cons

Pros

- Speed
- Security
- Scalability
- Version Control

Cons

- Requires technical knowledge
- Lack of UI
- No user input
- No real-time content

Why Jekyll?

- Mature product
- Huge community
- Good documentation
- Natively supported by GitHub Pages

Cool stuff out there!

- Templating
- Plugins
 - Code snippet highlighting
 - Pagination
 - ...
- Themes

Requirements

- GNU/Linux, Unix, or macOS (for Windows follow these [steps](#))
- Ruby version 2.0 or above
- RubyGems

Quick-start

```
~ $ gem install jekyll bundler
```

```
~ $ jekyll new awesome-site
```

```
~ $ cd awesome-site
```

```
~/awesome-site $ bundle exec jekyll serve
```

```
# http://localhost:4000
```

Fork a starting point

- Choose a theme from <http://jekyllthemes.org/>
- Fork it on GitHub

Create your own theme

```
~ $ gem install jekyll
```

```
~ $ jekyll new-theme awesome-theme
```

Configuration

`_config.yml`

`title:` René Kulik - PHP Developer & Softwarearchitekt

`description:` PHP Developer bei About You ...

`author:` René Kulik

`url:` <http://www.renekulik.de>

...

Adding content

Pages

- HTML or Markdown
- Have to be located in the *root* directory

Posts

- HTML or Markdown
- Have to be located in *_posts*
- Naming convention:
YEAR-MONTH-DAY-title.{html|md}

Example post

layout: post

title: Example post

date: 2017-05-27 12:00:00

Text ...

Liquid

- Template engine created by Shopify
- Bridge between data from the site and the HTML templates sent to the browser

Liquid

Objects

```
<h1>{{ page.title }}</h1>
```


Liquid

Includes

```
<!doctype html>
```

```
<html lang="de">
```

```
{% include head.html %}
```

```
<body>
```

```
...
```

Liquid

Control flow

```
{% if user %}  
    Hello {{ user.name }}!  
{% endif %}
```

Liquid

Iterations

```
<ul>
```

```
  {% for page in site.pages %}
```

```
    <li><a href="{{ page.url }}">{{ page.title }}</li>
```

```
  {% endfor %}
```

```
</ul>
```

Liquid

Variable assignments

```
{% assign foo = 'bar' %}
```

```
{{ foo }}
```

Liquid

Filters

```
<h1>{{ page.title | capitalize }}</h1>
```

```
<small>Copyright © {{ site.time | date: '%Y' }}</small>
```

```
<strong>{{ 4 | minus: 2 }}</strong>
```

Let's code!

Deployment

- Web hosting providers (FTP)
- Automated methods (post-update hook, post-receive hook)
- Amazon S3
- ...
- GitHub Pages

Let's deploy!

Sum it up!

Jekyll is ...

- requiring (a bit of) technical knowledge
- simple to use
- fast, secure, scalable
- not a magic bullet
- worth giving a try!

Further links

- <https://jekyllrb.com/>
- <http://jekyllthemes.org/>
- <https://shopify.github.io/liquid/>
- <https://github.com/rkulik/jekyll/>
- <http://www.kulik.io/2016/11/21/jekyll-github-pages-and-1und1/>

Thank you!