



Jekyll












STATIC WEBSITE GENERATOR

About

- ▶ Static website generator
- ▶ Built with blogging in mind (e.g. alternative to WordPress)
- ▶ Generates deployment ready HTML & CSS
- ▶ Created in Ruby
- ▶ Engine that drives GitHub Pages (allows you to host a website via a repository on your GitHub account)

How – Directory Structure

- ▶ Builds content from folders
 - ▶ `_layouts` for layouts (default, post, page)
 - ▶ `_posts` (2011-12-31-new-years-eve-is-awesome.md)
 - ▶ `_includes` for partials (`<head>`, `<footer>`, repeated code)
 - ▶ `_data` for data files (yml, json, csv) accessed via `site.data`

	<code>_data</code>	4.1 kB folder
	<code>_drafts</code>	4.1 kB folder
	<code>_includes</code>	4.1 kB folder
	<code>_layouts</code>	4.1 kB folder
	<code>_posts</code>	4.1 kB folder
	<code>_site</code>	4.1 kB folder
	<code>about.md</code>	524 bytes Markdown document
	<code>_config.yml</code>	1.4 kB YAML document
	<code>Gemfile</code>	811 bytes plain text document
	<code>Gemfile.lock</code>	1.1 kB plain text document
	<code>index.md</code>	213 bytes Markdown document

How - Layouts

- ▶ Layouts using HTML and CSS as normal

How - Content

- ▶ Markdown to write content
 - ▶ `## Header 2`
 - ▶ `**bold**`
 - ▶ `[Hyperlink](http://my-awesome-link.gg)`
- ▶ Liquid for more dynamic stuff (fors, ifs, variables, etc.)
- ▶ Output text: `{{ output_var }}`
- ▶ Code: `{% if <condition> %}`
 - ▶ `{% for item in array %}`
 - ▶ `{{ item }}`
 - ▶ `{% endfor %}`
 - ▶ `Hello {{ 'Lunch & Code' | upcase }}`

How – YAML Front Matter

- ▶ Processes things in the 3 dashes
- ▶ Create and set variables
 - ▶ `---`
 - ▶ `layout: post`
 - ▶ `title: Blogging Like a Hacker`
 - ▶ `Tags: hacking code`
 - ▶ `---`
- ▶ Use it
 - ▶ `<title>{{ page.title }}</title>` (could be used in current page or layout)

Cool built-in features

- ▶ Permalinks
- ▶ Pagination on posts
- ▶ Drafts (store in `_drafts` and use `--drafts` switch when launching to view)
- ▶ Plugin system
 - ▶ Make your own
 - ▶ Use from existing library (sitemap generator, art gallery, rss feed generator, etc. big list on official website)

Get it going

- ▶ Install Ruby
- ▶ `gem install jekyll`
- ▶ `jekyll new MyAwesomeSite`
- ▶ `jekyll serve`
- ▶ `localhost:port`
- ▶ Edit away
- ▶ Docs at <https://jekyllrb.com/>

End

- ▶ Twitter: @jasemagee
- ▶ Web: <https://jasemagee.com>
- ▶ Will post slides on my site and discuss.gg for ref