STATIC SITES MIDDLEMAN

WHAT ARE STATIC SITES?

WHAT ARE STATIC SITE GENERATORS?

WHY ARE THEY USEFUL?

DEV-OPS

- Simplicity
 - Speed
 - Caching
 - Security

WORKFLOW

- ▶ Templating
- Content Models
- Asset Pipeline
 - Extensibility

WHO IS USING STATIC SITE GENERATORS?

- Google
- Vox Media
- MailChimp
 - Carrot
- Instrument

WHAT ABOUT DYNAMIC FEATURES?

WHAT ARE THE PROBLEMS?

STATIC SITE OPTIONS

- 2. GitBook
 - 3. <u>Hexo</u>
 - 4. Hugo
- **Octopress**
- 6. Pelican
- **Brunch**
- **Middleman**

StaticGen

Top Open-Source Static Site Generators

☑ SHARE

All languages # Sorted by stars#

Jekyll

jekyllrb.com

A simple, blog-aware, static site generator.

LanguageRuby TemplatesLiquid License: MIT

About StaticGen The Rules

		itBoo			Hexo			Hugo gohugo.io/				
	toolcha you from	P 1491 0 ern publish in. Simply m ideas to d, polished	taking	and po	0 is a fast, si owerful blo work.	g	# P #1 10907 1784 296 0 0 0 A Fast and Flexible Static Site Generator.					
	books. Langua	ge:JavaSo tesdinja2		Temp	age:JavaSi latesEJS, Si se: MIT		LanguageGo TemplatesSo Templates License: APL 2.0					

	topress.o		Pelican blog.getpelican.com/				Brunch brunch.io/			Middleman middlemanapp.com		
★ 9450 0	9 3100 0	章 277 0	★ 5981 0	1267 0	#€ 195 0		★ 5406 0	407 0	∰: 34 0	★ 5325 0	533 0	∰ 137 0
	ing frame kers based		A static site generator, imports from Wordpress, multi-lang				An ultra-fast HTML5 build tool. Capable of static site generation.			Hand-crafted, modern frontend development.		
	geRuby testiquid :: MIT		publishing. LanguagePython Templates/inja2 License: AGPL			Language:JavaScript TemplatesAny JS License: MIT			LanguageRuby TemplatesERB/Tilt License: MIT			

License: APL 2.0

STATIC SITE GENERATOR COMPARISON

- Jekyll
- Middleman
 - Roots
 - Hugo

SMASHING MAGAZINE - STATIC WEBSITE GENERATORS REVIEWED

JEKYLL

- Jekyll is a simple, blog-aware, static site generator.
 - Jekyll Documentation
 - ► Templating Engine Liquid
 - Content HTML, Markdown, YAML, JSON, or CSV
 - Asset Pipeline Sass and CoffeeScript.
 - Extending Extensions Available

ROOTS

Roots clearly comes from the world of Node.js-based front-end tools.

- Smashing Magazine
- ► Templating Engine Jade
 - Content None
- Asset Pipeline CoffeeScript and Stylus
 - Extending Extensions Available

HUGO

Simple to install and update.

- Smashing Magazine
- Templating Engine Go's Package Template
 - Content Strong Content Model
 - Asset Pipeline No Asset Pipeline
 - Extending Built-in functionality.

MIDDLEMAN

Middleman was built as a framework for more advanced marketing and documentation websites.

- Smashing Magazine
- ► Templating Engine Ruby (ERb)
- ► Content Site Map Resource & Collections
- Asset Pipeline Sprockets or External Pipeline
 - ► Extending Extensions Available

MIDDLEMAN

REQUIRES RUBY...

INSTALLING RUBY

AFTER RUBY IS INSTALLED...

- \$ gem install middleman
- \$ gem install middleman-blog

MIDDLEMAN COMMAND LINE INTERFACE MIDDLEMAN DEVELOPMENT CYCLE

- \$ middleman init
- \$ middleman server
- \$ middleman build

ALSO

\$ middleman console

SITE SETUP

\$ middleman init NEW_MIDDLEMAN_PROJECT_NAME

OR

\$ middleman init NEW_MIDDLEMAN_BLOG_NAME --template=blog

MIDDLEMAN DIRECTORY STRUCTURE

```
mymiddlemansite/
+-- Gemfile
+-- Gemfile.lock
+-- config.rb
+-- source
   +-- images
   +-- background.png
   +-- middleman.png
   +-- index.html.erb
   +-- javascripts
   +-- all.js
   +-- layouts
   +-- layout.erb
   +-- stylesheets
       +-- all.css
       +-- normalize.css
```

MIDDLEMAN BLOG DIRECTORY STRUCTURE

```
mymiddlemanblog/
+-- Gemfile
+-- Gemfile.lock
+-- config.rb
+-- source
    +-- 2012-01-01-example-article.html.markdown
    +-- calendar.html.erb
    +-- feed.xml.builder
    +-- index.html.erb
    +-- layout.html.erb
    +-- tag.html.erb
```

IMPORTANT DIRECTORIES

- Source Contains files to be built.
- Build Compiled static site files.
- ▶ Data Local data in .yml, .yaml, or .json formats.
- ► Lib Ruby modules containing "helper" classes and methods.

MIDDLEMAN SERVER PAGES

- Middleman Local Development Server http://localhost:4567/
 - Middleman Configuration Options
 - ► <u>Middleman Sitemap</u>

RUBY CODE MIXED WITH HTML

ERB, MIDDLEMAN'S DEFAULT TEMPTING LANGUAGE, ENABLES RUBY DIRECTLY INSIDE HTML FILES. RUBY CODE IS ADDED BETWEEN THE <% Or <%= Opening Tags and %> Closing Tag.

LAYOUTS & PARTIALS FOR CODE REUSE

```
<%= yield %>
AND
```

<%= partial "name" %>

EXAMPLE PAGE

snsavage.com Home About Contact

Creating Placeholder Text

July, 18 2016

Williamsburg DIY small batch, tousled bitters vice meh nesciunt neutra pabst. Ad tempor cold-pressed, quis tofu ethical cliche. Polaroid squid helvetica sartorial, jean shorts pariatur meggings. Proident readymade assumenda, kombucha yuccie portland...

Read more...

Why I Decided to Learn Software Development

May, 14 2016

My journey to the Learn Verified program and learning software development has really been a journey of many steps.

I've always enjoyed using and learning about technology, so technology has alway been a part of my life. However, software development...

Read more...

Middleman Blog with GitHub Pages

February, 4 2016

Middleman is a static site generation framework with an available blog extension package. I've tried to set up a blog with Middleman in the past, but I've always had trouble with deploying to GitHub pages. To me it's not as straight forward as it should be, but I think with a few tips it can easily be done. Here are the steps that worked for me.

Read more...

Recent Articles

- 1. Creating Placeholder Text Jul 18
- 2. Why I Decided to Learn Software Development May 14
- 3. Middleman Blog with GitHub Pages Feb 4

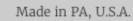
Tags

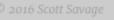
- 1. middleman (1)
- 2. github (1)
- 3. github pages (1)
- 4. tutorial (1)

By Year

1. 2016 (3)









source/layout.erb

```
<!doctype html>
<html>
 <head>
   <%= partial "head" %>
 </head>
 <body>
   <div id="container">
     <header>
       <%= partial "nav" %>
     </header>
     <main>
       <div id="main" role="main">
         <%= yield %>
       </div>
       <% if current_page.path != "about.html" && current_page.path != "contact.html" %>
         <aside>
           <%= partial "aside" %>
         </aside>
       <% end %>
     </main>
     <footer>
       <%= partial "footer" %>
     </footer>
   </div>
 </body>
</html>
```

source/partials/_nav.erb

```
<nav class="clearfix hidden-nav-menu">
    <h1>snsavage.com</h1>
    <h1 class="hidden-nav-trigger"><a href="#"><i class="fa fa-bars fa-lg" aria-hidden="true"></i></h1>

            class="nav-menu">
            partial "nav_links" %>
```

source/partials/_nav_links.erb

```
<%= link_to "Home", "/" %>
<%= link_to "About", "about.html" %>
<%= link_to "Contact", "contact.html" %>
```

build/index.html

```
<!doctype html>
<html>
<head>
</head>
<body>
 <div id="container">
   <header>
     <nav class="clearfix hidden-nav-menu">
        <h1>snsavage.com</h1>
        <h1 class="hidden-nav-trigger"><a href="#"><i class="fa fa-bars fa-lg" aria-hidden="true"></i></a></h1>
        <a href="/">Home</a>
            <a href="/about.html">About</a>
            <a href="/contact.html">Contact</a>
        </nav>
   </header>
```

RUBY MIXED WITH HTML

TITLES BASED ON PAGE CONTENT

```
<title>
  snsavage.com<%= ' - ' + current_article.title unless current_article.nil? %>
</title>
```

RUBY MIXED WITH HTML

GENERATING LISTS OF ARTICLES

```
    <% blog.articles[0...10].each do |article| %>
        <new style="block-right: 100%;">

</pr
```

MIDDLEMAN CONTENT MODEL PAGES, FRONTMATTER, & LOCAL DATA

PAGES

ADD A NEW PAGE BY CREATING A NEW FILE IN THE SOURCE DIRECTORY.

ADD THE * . erb EXTENSION TO HAVE THE TEMPLATE PROCESSED.

ADD A NEW BLOG PAGE WITH \$ middleman articles ARTICLE_TITLE

FRONTMATTER FORMAT

```
title: Middleman Blog with GitHub Pages
author: Scott Savage
date: 2016-02-04 02:40 UTC
tags: middleman, github, github pages, tutorial
published: true
```

USING FRONTMATTER DATA

LOCAL DATA STORED IN THE DATA DIRECTORY. FILES IN THE . yml, . yaml, OR . json FORMATS.

HELPER METHODS SIMPLY COMMON HTML TASKS.

- **Links**
- Tags
- **▶** Forms
- **▶** Formatting

MIDDLEMAN ASSET PIPELINE RAILS ASSET PIPELINE (SPROCKETS) - V3 EXTERNAL PIPELINE - V4

MIDDLEMAN EXTENSIONS

RESOURCES

- **▶** Middleman
- Smashing Magazine Why Static Website Generators Are The Next Big Thing
 - Smashing Magazine Static Website Generators Reviewed
 - ► Static Webtech Meetup Dynamic to Static
 - Netlify
 - Contenful
 - ► YouTube Middleman External Pipeline + Gulp