



Getting Started

Installation and Setup

Install Jekyll and Bundler:

```
gem install jekyll bundler
```

Create a new Jekyll site:

```
jekyll new myblog  
cd myblog
```

Serve the Jekyll site locally:

```
bundle exec jekyll serve
```

For GitHub Pages compatibility, use this Gemfile:

```
source 'https://rubygems.org'  
gem 'github-pages', group: :jekyll_plugins
```

Update gems:

```
bundle update
```

Directory Structure

```
./  
├─ _config.yml      # Configuration file  
├─ _data/          # Data files (YAML, JSON)  
│  └─ ...  
├─ _drafts/       # Draft posts  
│  └─ ...  
├─ _posts/        # Blog posts  
│  └─ 2024-01-01-hello.md  
├─ _layouts/      # Page layouts  
│  ├─ default.html  
│  └─ post.html  
├─ _includes/     # Reusable partials  
│  ├─ header.html  
│  └─ footer.html  
├─ _sass/         # Sass files  
│  └─ ...  
├─ assets/        # Assets such as images, CSS, etc.  
│  └─ ...  
└─ _site/         # Generated static site  
   └─ ...
```

Front Matter & Configuration

Basic Front Matter

Basic syntax:

```
---  
layout: post  
title: Hello  
---  
Hello! this is my post.
```

Common front matter variables:

- `layout`: Specifies the layout to use.
- `title`: The title of the page or post.

Other front matter examples:

```
permalink: '/hello'  
published: false  
category: apple  
categories: ['html', 'css']  
tags: ['html', 'css']
```

Configuration (_config.yml)

Basic configuration file example:

```
source: .  
destination: _site  
exclude:  
  - Gemfile  
  - Gemfile.lock  
include: ['.htaccess']
```

Key configuration options:

- `source`: Source directory.
- `destination`: Destination directory.
- `exclude`: Files to exclude.
- `include`: Files to explicitly include.

More configuration options:

```
markdown: kramdown  
theme: minima  
plugins:  
  - jekyll-feed
```

Templating with Liquid

Page Variables

Accessing page variables in templates:

```
<title>{{ page.title }}</title>
<p>{{ page.description | truncate_words: 20 }}</p>
```

Common page variables:

- `page.title` : Title of the page.
- `page.content` : Content of the page.
- `page.date` : Date of the page.

More examples of page variables:

```
{{ page.url }}
{{ page.id }}
{{ page.categories }}
{{ page.tags }}
```

Conditionals

Basic conditional logic:

```
{% if page.image.feature %}
...
{% elsif xyz %}
...
{% else %}
...
{% endif %}
```

Examples:

```
{% if page.category == 'React' %}
{% if page.category == 'React' or page.featured %}
{% if page.tags contains 'Featured' %}
```

Filters & Blogging

Date Formatting

Formatting dates:

```
{{ site.time | date: "%Y %m %d" }}
```

Common date filters:

- `date_to_xmlschema`
- `date_to_rfc822`
- `date_to_string`
- `date_to_long_string`

String Manipulation

String filters:

```
{{ page.title | default: "xxx" }}
```

Common string filters:

- `upcase`, `downcase`
- `remove`, `replace`
- `truncate`, `truncatewords`
- `prepend`, `append`
- `strip_html`, `strip_newlines`

Loops

Looping through posts:

```
{% for post in site.posts %}
  <a href="{{ post.url }}">
    <h2>{{ post.title }}</h2>
    <p>{{ post.date | date_to_string }}</p>
  </a>
{% endfor %}
```

Looping through data:

```
{% for member in site.data.members %}
  <h3>{{ member.name }}</h3>
  <p>{{ member.bio }}</p>
{% endfor %}
```

Includes (Partials)

Including partials:

```
{% include header.html %}
```

Including partials with local variables:

```
{% include header.html page=page %}
```

Bloggng Basics

Post file naming convention:

```
_posts/YEAR-MONTH-DAY-title.md
```

Image paths in posts:

```
![My helpful screenshot]({{ site.url }}/assets/screenshot.jpg)
```

Drafts:

- Store in `_drafts/`.
- Use `jeekyll build --drafts` to include drafts.

Defining excerpts:

```
---
title: My blog post
excerpt: This post is about cats
---
```

Excerpt separators:

```
---
excerpt_separator: <!--more-->
---
```

```
Excerpt here
<!--more-->
More post body here
```