How to setup a Jekyll Blog hosted on GitHub Project Pages

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This blog post documents the setup done to create Code for Jersey City Blog and instructions on how to create and add a new post.

Instructions used to create the Code for Jersey City Blog can be found on Jekyll on Github Pages and Jekyll Documentation. They include configuration options, plug-ins and theming not included in this post.

Ruby

Jekyll requires the Ruby language. If you have a Mac, you've most likely already got Ruby. To confirm if you have the required 1.9.3 or 2.0.0 version, open up the Terminal application, and run the command:

```
ruby --version
```

If you have older version, follow these instructions to install Ruby.

Bundler

Bundler is a package manager that makes versioning Ruby software a lot easier if you're going to be building GitHub Pages sites locally. You don't have to use it, but it's recommended and the instructions in this document assume that you are using Bundler.

```
gem install bundler
```

Jekyll

Create a file in your site's repository called `Gemfile` and add the line `gem 'github-pages'` and run:

```
bundle install
```

Creating a blog

To create a new bog site, run:

```
jekyll new myproject
```

`myproject` will be the repo name and a directory name where the blog will be located. If you are using github project pages, it will also be a part of the url (https://username.github.io/project). If you want to use GitHub User or

Organization pages, follow [those instructions](#) instead.

Add page

In the `_posts` directory, crate your content file in this format: 'YYYY-MM-DD-your-title.md'.

Add the section about markdown & metadata.

Edit

Edit `about.md`.

Publish

Create a new repo called `myproject`. Follow [those instructions](#).

On a command line, inside "project" directory, run:

```
git init
```

Next, create new branch called "gh-pages" by running those commands:

```
git branch gh-pages
git checkout gh-pages
```

To check the current branch:

```
git branch
```

There is one more config file change that needs to be made to run the blog on GitHub Pages. Add those two lines to `_config.yml`:

```
url: https://username.github.io
baseurl: project
```

If you are using custom domain names, then use this url line `url: "http://customomain.com"` instead. In our case we are using

```
url: "http://openjerseycity.org/"
baseurl: "/blog"
```

Finally, add and commit all changes to GitHub:

```
 git add .
 git commit -m"your comment goes here"
 git push origin gh-pages
```

In your browser, view `https://username.github.io/project`. In case of this project the url is http://openjerseycity.org/blog/.

RTFD First

Running Jekyll

To run Jekyll in a way that matches the GitHub Pages build server, in the root of your repository (after switching to the gh-pages branch for project repositories), run Jekyll with Bundler:

```
bundle exec jekyll serve --baseurl ''
```

The site should be available at http://localhost:4000. For a full list of Jekyll commands, see the Jekyll documentation.

Running Jekyll

Inside the "project" directory:

```
jekyll build
jekyll serve
```

In your browser, view http://localhost:4000.

The `_sites` directory is generated by Pelican and can be deleted and regenerated at any time.

Code for Jersey City Blog

Code for Jersey City Blog
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Code for Jersey City Blog, a place to read about our projects and initatives.