

Discover GitHub with Hexo

Leslie Wong 79917148leslie@gmail.com

STEP ONE



Pre Knowledge:

About Git 

A **Distributed** Version Control System (DVCS):

- created by **Linus** Torvalds
- maintained by **Junio** Hamano
- since 2005
- Most popular VCS (~30% of developers)

STEP ONE



Pre Knowledge:

About GitHub



A **web-based** Git repository **hosting service**, which offers all of the distributed revision control and source code management (SCM) functionality of Git as well as adding its own features.

STEP ONE



Pre Knowledge:

About Node.js

- Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine.
- Node.js is free and open source
- Node.js runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)
- Node.js uses JavaScript on the server

STEP ONE



Pre Knowledge:

About HEXO

A fast, simple & powerful blog framework without the specific need of Virtual Private Server (VPS), which allows users to build a website quite easily.

Prepare Environment:

•Node.js

<https://nodejs.org/en/>

•Git

<https://git-scm.com/>

S T E P
T W O



GIT



NodeJS



STEP THREE



Configure Hexo:

```
$ npm install -g hexo-cli  
$ hexo init  
$ npm install  
$ hexo server
```

Git Bash

Create A Blank Directory BLOG
And Click Into It. Hover Mouse
Somewhere Blank. Right Click.
Choose Git Bash.

Tips: In case of the low speed to connect to NPM official registry, use Taobao version NPM registry instead.

```
$ npm config set registry http://registry.npm.taobao.org/
```


STEP THREE



Configure Hexo:

Structure of Hexo Directory

- `_config.yml` // Site configuration file
- `package.json` // Application data related to NPM
- `scaffolds` // Scaffold folder
- `source` // Where the site's article is stored
 - `_drafts` // article drafts not to publish
 - `_posts` // article posts to publish
- `themes` // Theme folder, store web resources

The place to store our own web content files

STEP FOUR



Connect GitHub:

Shake Hands via SSH/RSA

```
$ ssh-keygen -t rsa -C "email@qq.com"
```

Paste id_rsa.pub to GitHub

Test the Connection

```
$ ssh -T git@github.com
```


STEP FOUR



Connect GitHub:

Config User Information in Git:

```
$ git config --global user.name "username"
```

```
$ git config --global user.email "email"
```

STEP FOUR



Connect GitHub:

In GitHub, create a repository
named as your username plus
github.io, like

Username/Username.github.io

Attention! The repository has to be named as
Username.github.io, otherwise it would not
directly work on <https://username.github.io>

STEP FIVE



Deploy Website:



Click into BLOG directory, and find _config.yml. Open it with your editor, and supplement some information in the end of the file as shown below.

```
# Config /BLOG/_config.yml
deploy:
  type: git
  repo: git@github.com:Username/Username.github.io.git
  branch: master
```

yml|

STEP FIVE



Deploy Website:



Turn to Git Bash

Download hexo-deployer-git Component:

```
$ npm install hexo-deployer-git --save
```


STEP FIVE



Deploy Website:



Turn to Git Bash

```
$ hexo clean  
$ hexo generate  
$ hexo deploy
```

bash

`hexo server` to test locally is suggested.

STEP FIVE

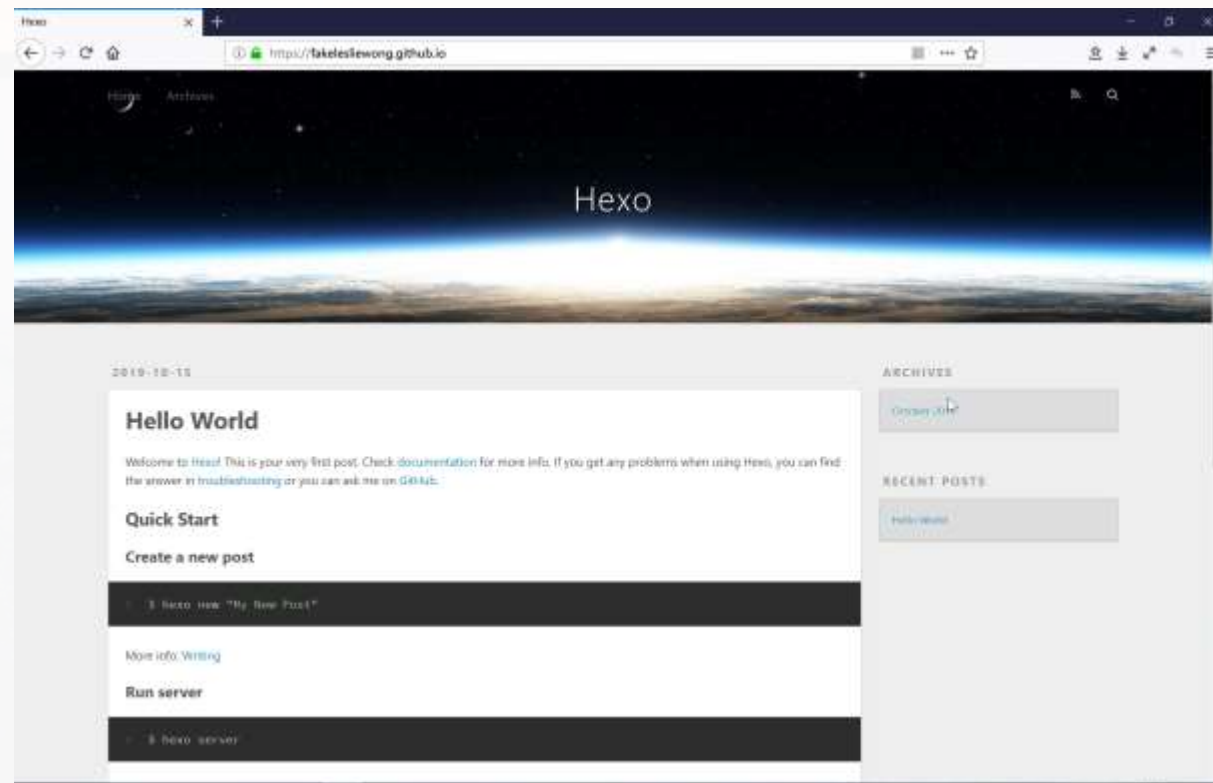


Deploy Website:



Result of Deployment:

<https://fakelesliewong.github.io/>



STEP S I X

Deploy Solar System:



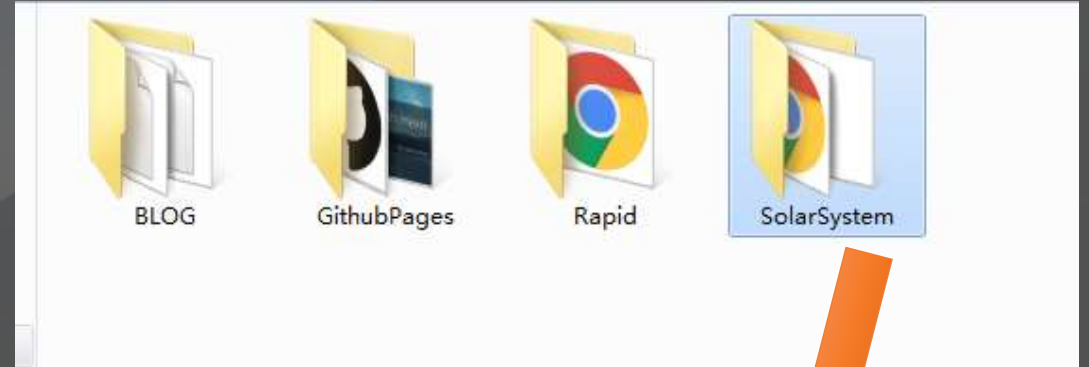
Copy SolarSystem files, and name the html file inside it as index.html.

Then in Git Bash

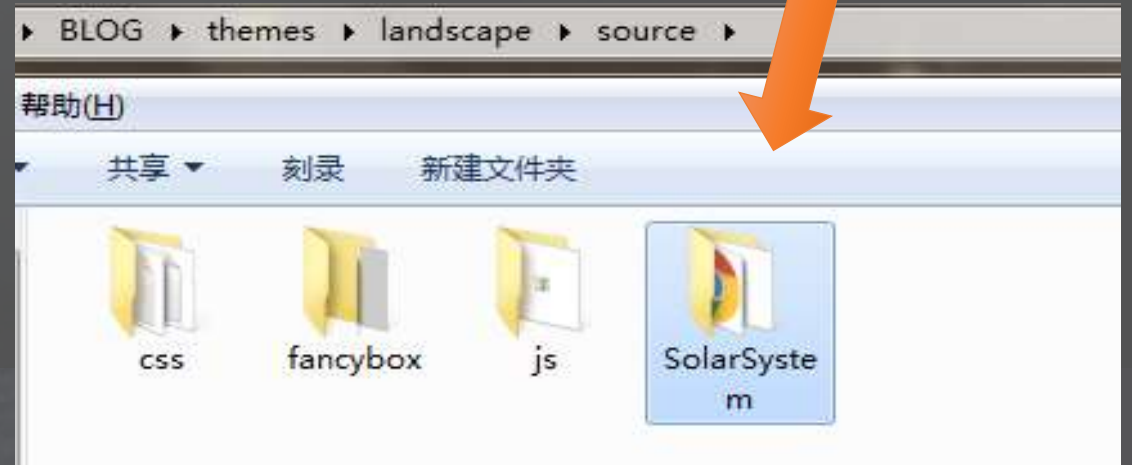
\$ hexo clean

\$ hexo generate

\$ hexo deploy



Copy & Paste

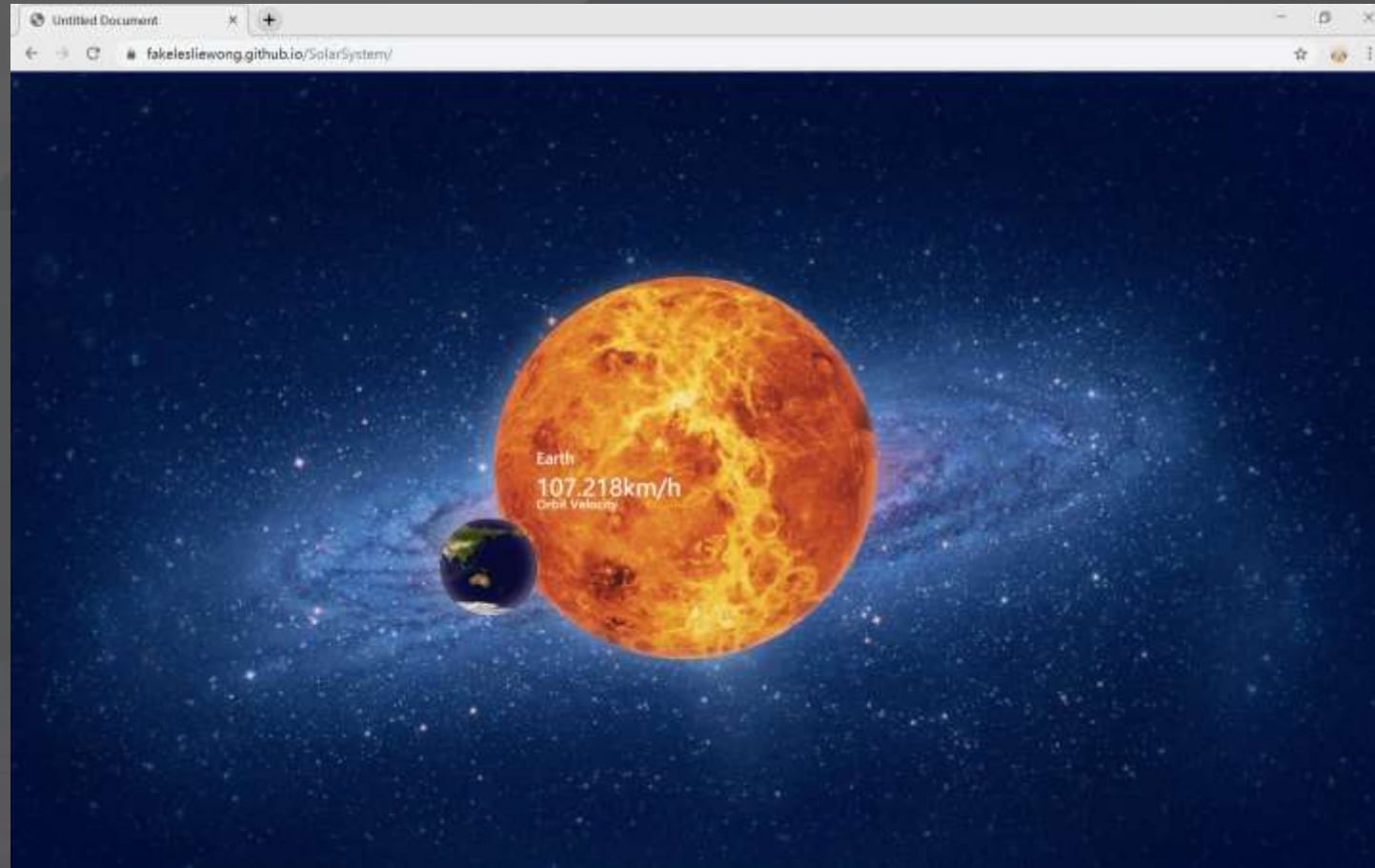


STEP
S I X

Deploy Solar System:

Result of Deployment:

<https://fakelesliewong.github.io/SolarSystem/>



STEP

SEVEN

Deploy Bootstrap Template:



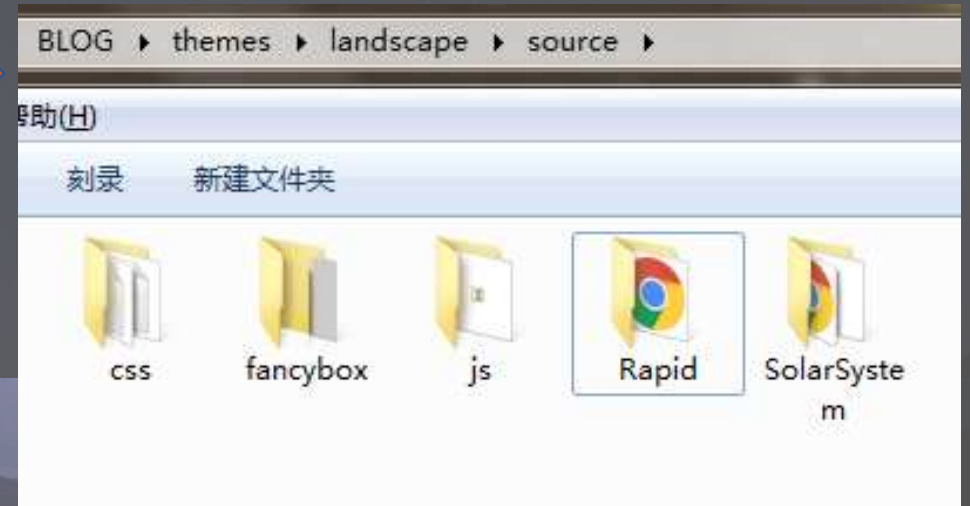
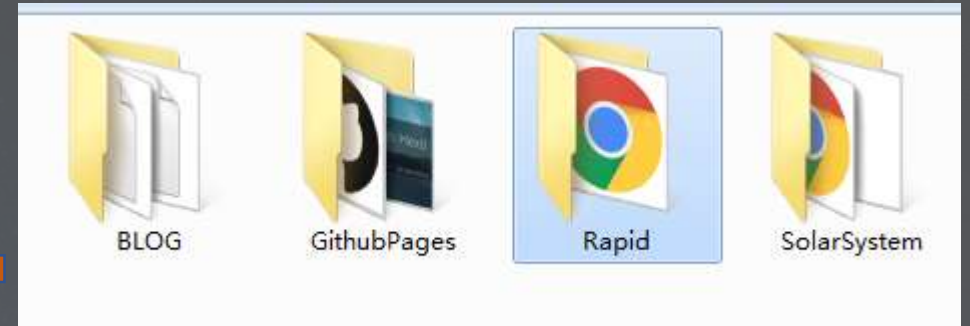
Copy Bootstrap template directory, and keep in mind the index.html inside it.

Then in Git Bash

```
$ hexo clean
```

```
$ hexo generate
```

```
$ hexo deploy
```



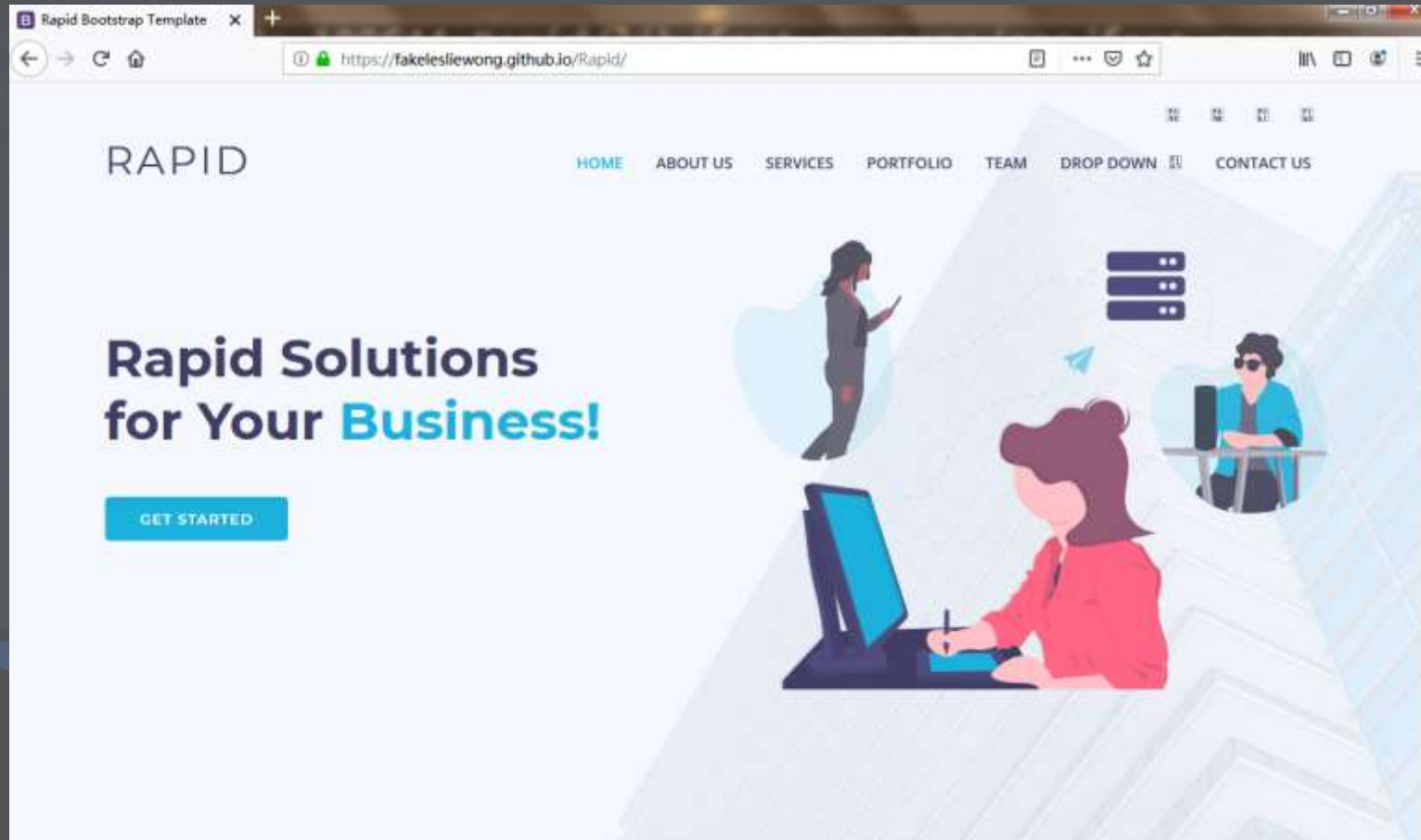
STEP

SEVEN

Deploy Bootstrap Template:

Result of Deployment:

<https://fakelesliewong.github.io/Rapid/>





CONGRATULATIONS

RELEVANT DOCS

<https://hexo.io/docs/>

<https://git-scm.com/book/en/v1/Getting-Started>

<https://help.github.com/en/categories/working-with-github-pages>