Literate Programming

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Using Puma on Heroku

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I'm a big fan of <u>Puma</u> these days. Today, I converted my blog over to use Puma, and I figured I'd share how I did it. This blog uses Sinatra.

If you want to look ahead, <u>here</u> is the commit.

Gemfile

Installing Puma is really easy: just add `gem 'puma'` to your Gemfile. Done!

This section is way too easy. I'm sorry Puma isn't more complicated. ;)

Procfile

Heroku attempts to guess how you want to run your site, but sometimes it guesses wrong. I prefer to be a bit more explicit, and in Puma's case, it will guess wrong and use Webrick, so we need to do this step.

Heroku uses a gem called `foreman` to run your application. Basically, `foreman` gives you a 'Procfile' that lets you specify different processes and their types, and then foreman manages running them for you.

To use `foreman`, add it to your Gemfile:

```
gem 'foreman'
```

And then make a `Procfile`:

```
web: rackup -s puma -p $PORT
```

This says "I want my web processes to run this command." Simple. We tell `rackup` to use Puma with the `-s` flag, for 'server.'

To start up your application, normall you'd run `rackup` yourself, but now, you use `foreman`:

```
$ bundle exec foreman start
```

It'll print out a bunch of messages. Mine looks like this:

```
$ bundle exec foreman start
15:05:05 web.1  | started with pid 52450
15:05:06 web.1  | Puma 1.6.3 starting...
15:05:06 web.1  | * Min threads: 0, max threads: 16
15:05:06 web.1  | * Environment: development
15:05:06 web.1  | * Listening on tcp://0.0.0.0:5000
```

Now you can `open http://localhost:5000` in another terminal, and bam! Done.

Other Rubies

If you really want Puma to scream, you should run with Rubinius or JRuby. I haven't done this yet, but once I do, I'll update this post with instructions.

Rails

If you're using Rails, it's the same process, but the Procfile line should be

```
web: bundle exec puma -p $PORT
```

Easy!

```
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```

Easy!