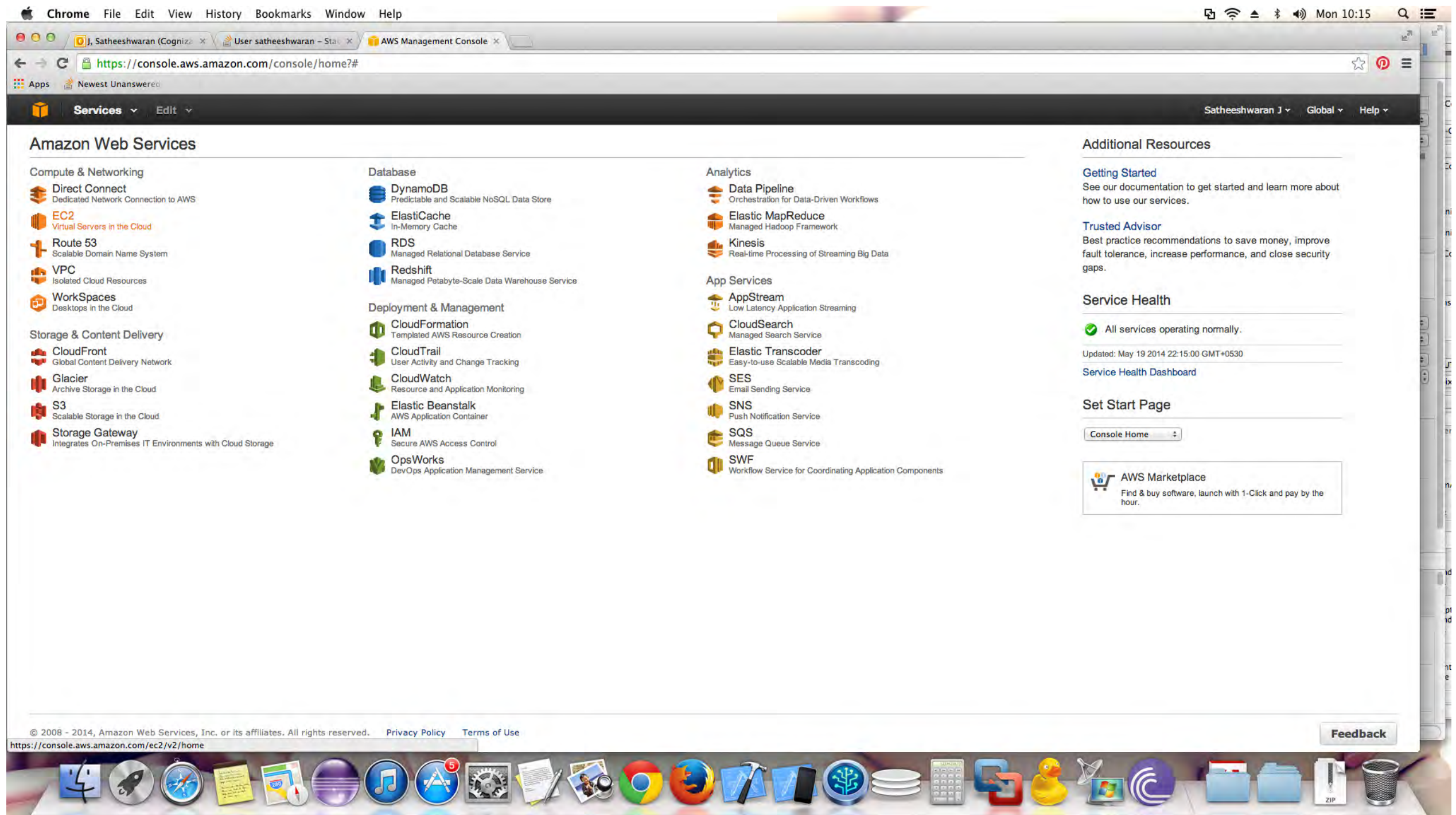


Amazon EBS Assignment - Using PHP and not using Eclipse!!

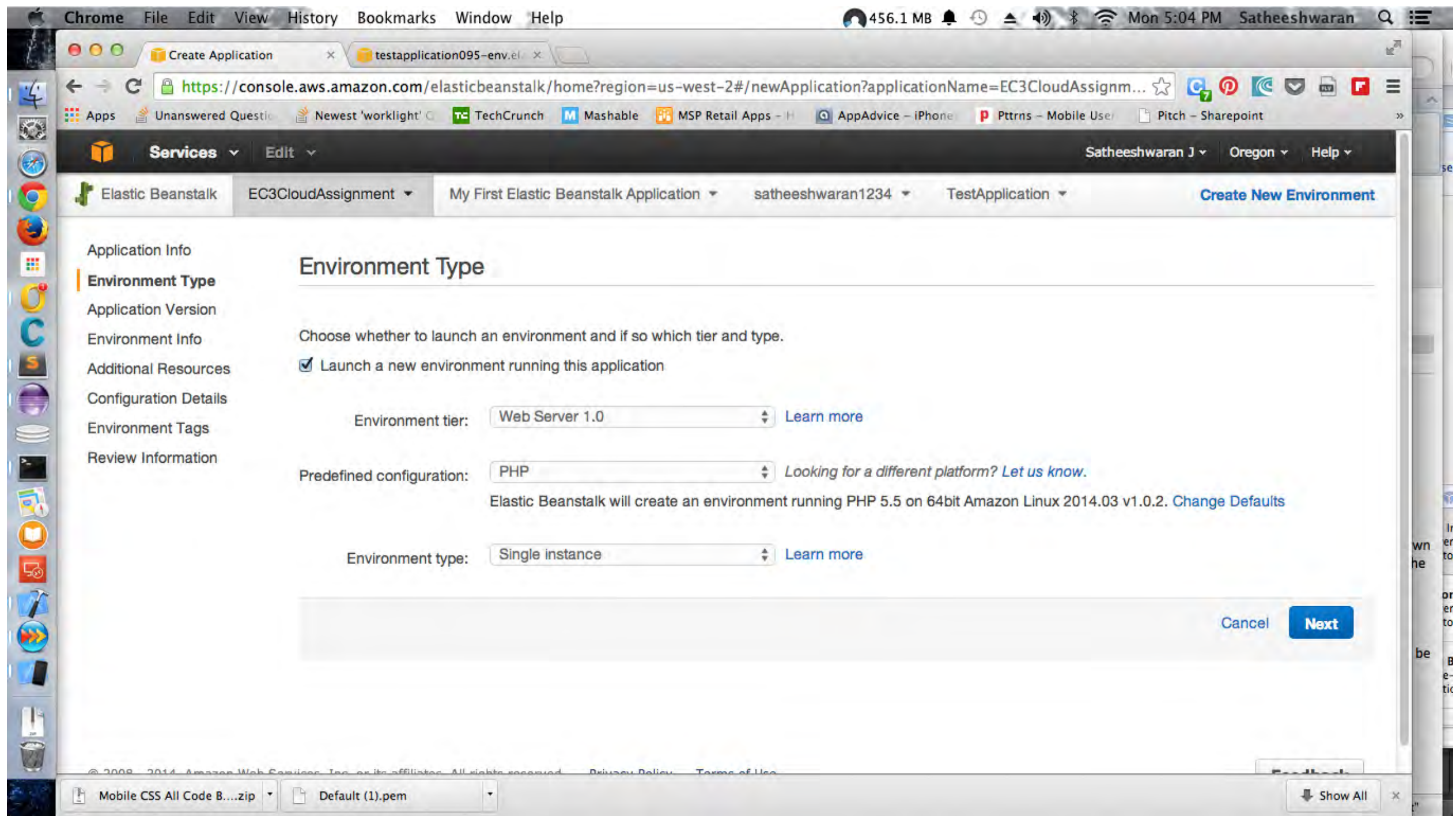
SATHEESHWARAN



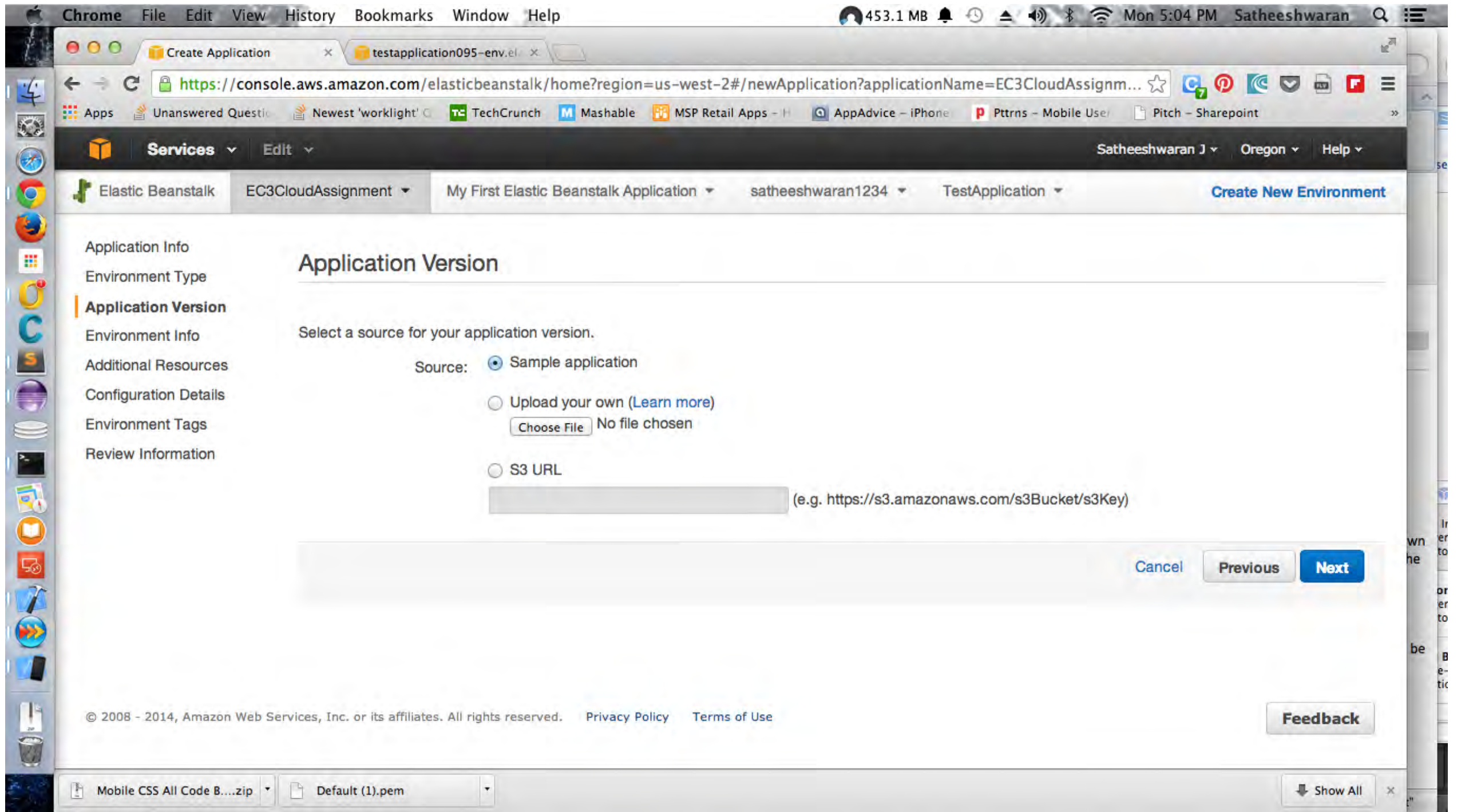
**Elastic
Beanstalk**



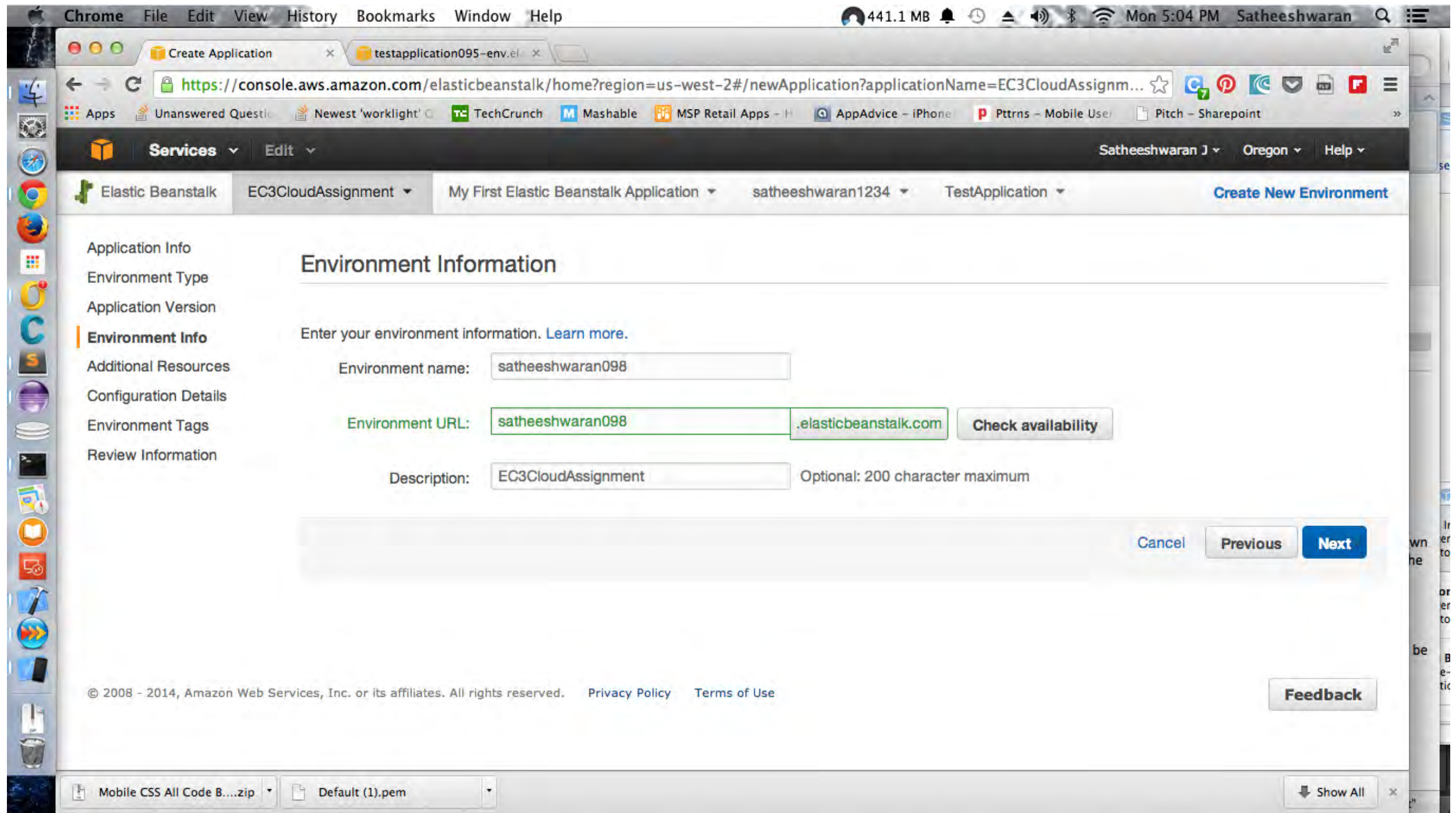
Go to your aws console and click on Elastic Beanstalk and create a new application



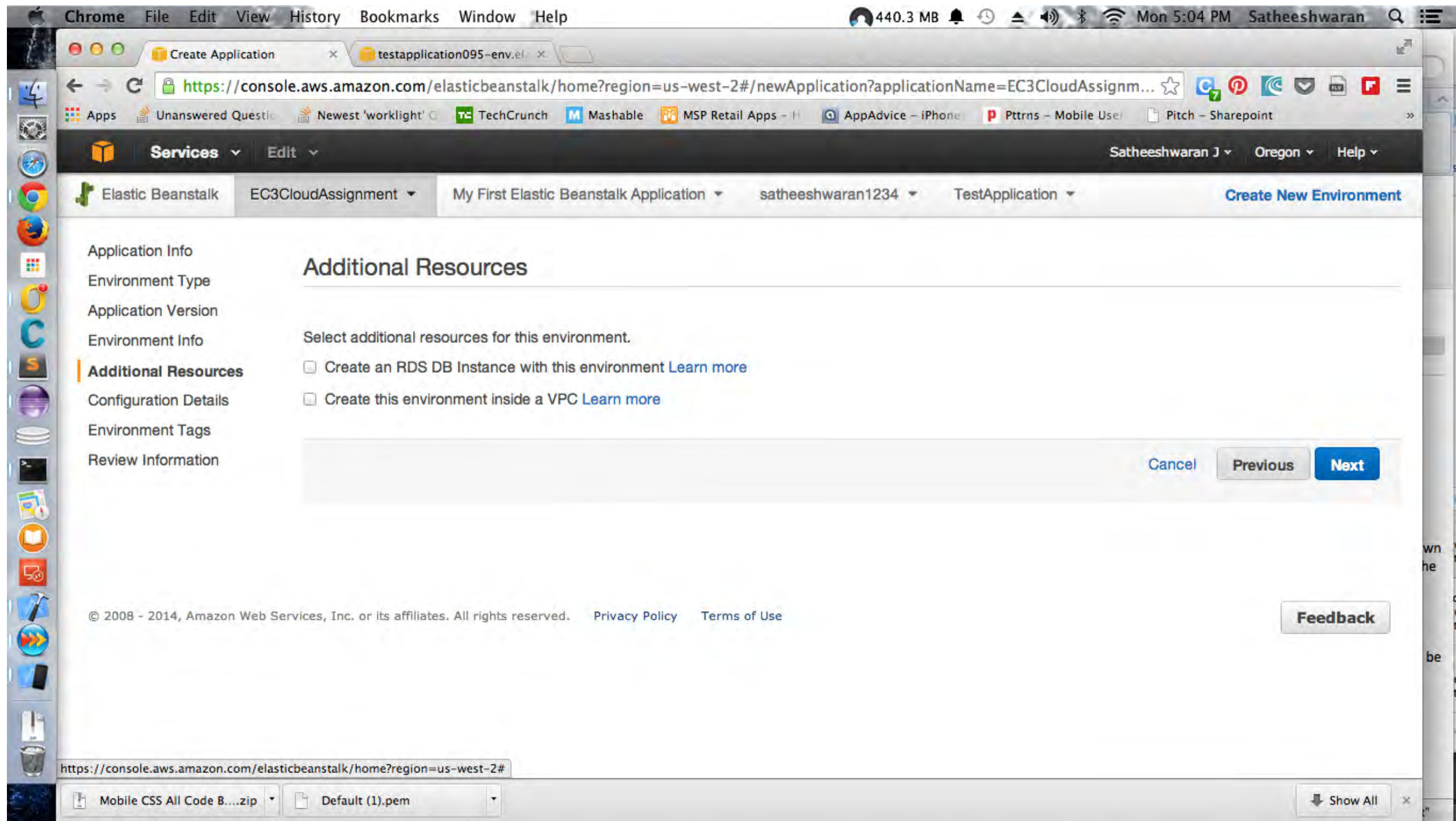
Create a new environment by selecting PHP as the predefined configuration and env type as Single instance



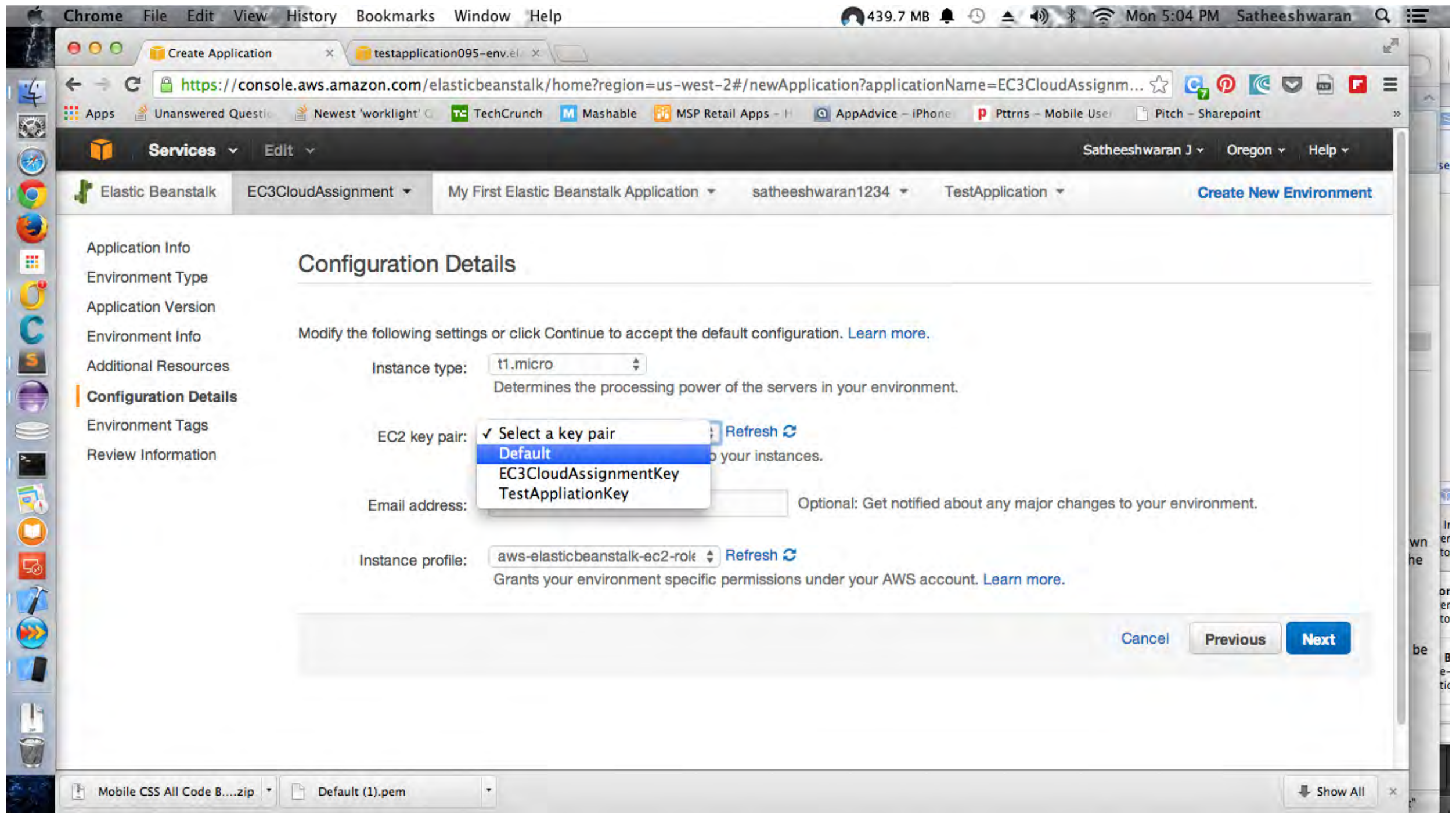
For now let the source be a Sample application, click Next.



Create the env url as specified by Prabhu



Don't change anything here, just click Next



Select the instance type to be micro and select a key pair that you have already created or used for other instances. Select any key we will not be using it in this method of performing a deploy. Fill in all details and click Next.

Chrome File Edit View History Bookmarks Window Help 431.1 MB Mon 5:05 PM Satheeshwaran

Create Application testapplication095-env.el

https://console.aws.amazon.com/elasticbeanstalk/home?region=us-west-2#/newApplication?applicationName=EC3CloudAssignm...

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Services Edit Satheeshwaran J Oregon Help

Elastic Beanstalk EC3CloudAssignment My First Elastic Beanstalk Application satheeshwaran1234 TestApplication Create New Environment

Application Info
Environment Type
Application Version
Environment Info
Additional Resources
Configuration Details
Environment Tags
Review Information

Environment Tags

You can specify tags (key-value pairs) for your Environment. You can add up to 7 unique key-value pairs for each Environment.

	Key (128 characters maximum)	Value (256 characters maximum)	
1.	AppName	EC3CloudAssignment	✕
2.			

6 remaining

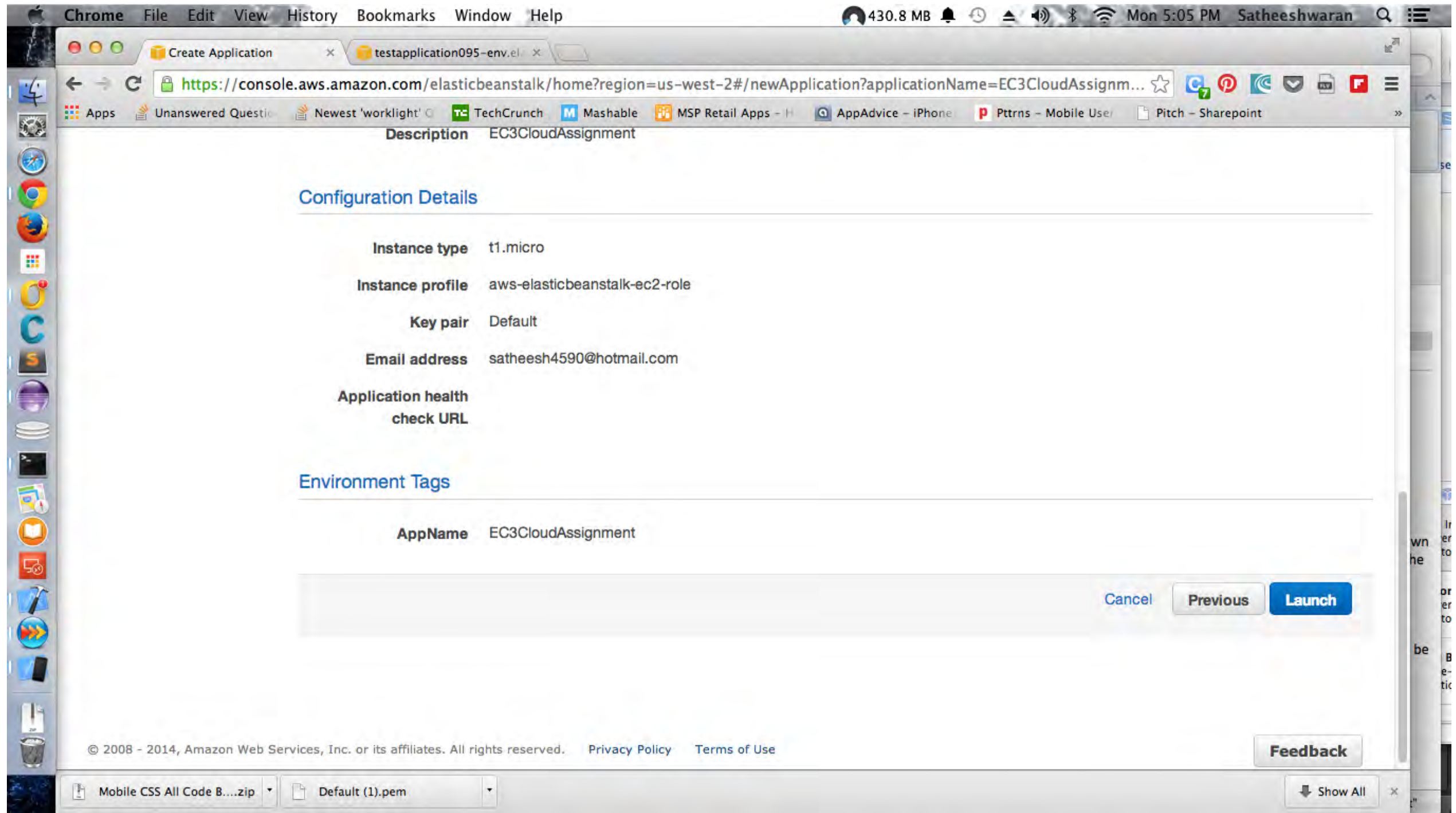
Cancel Previous Next

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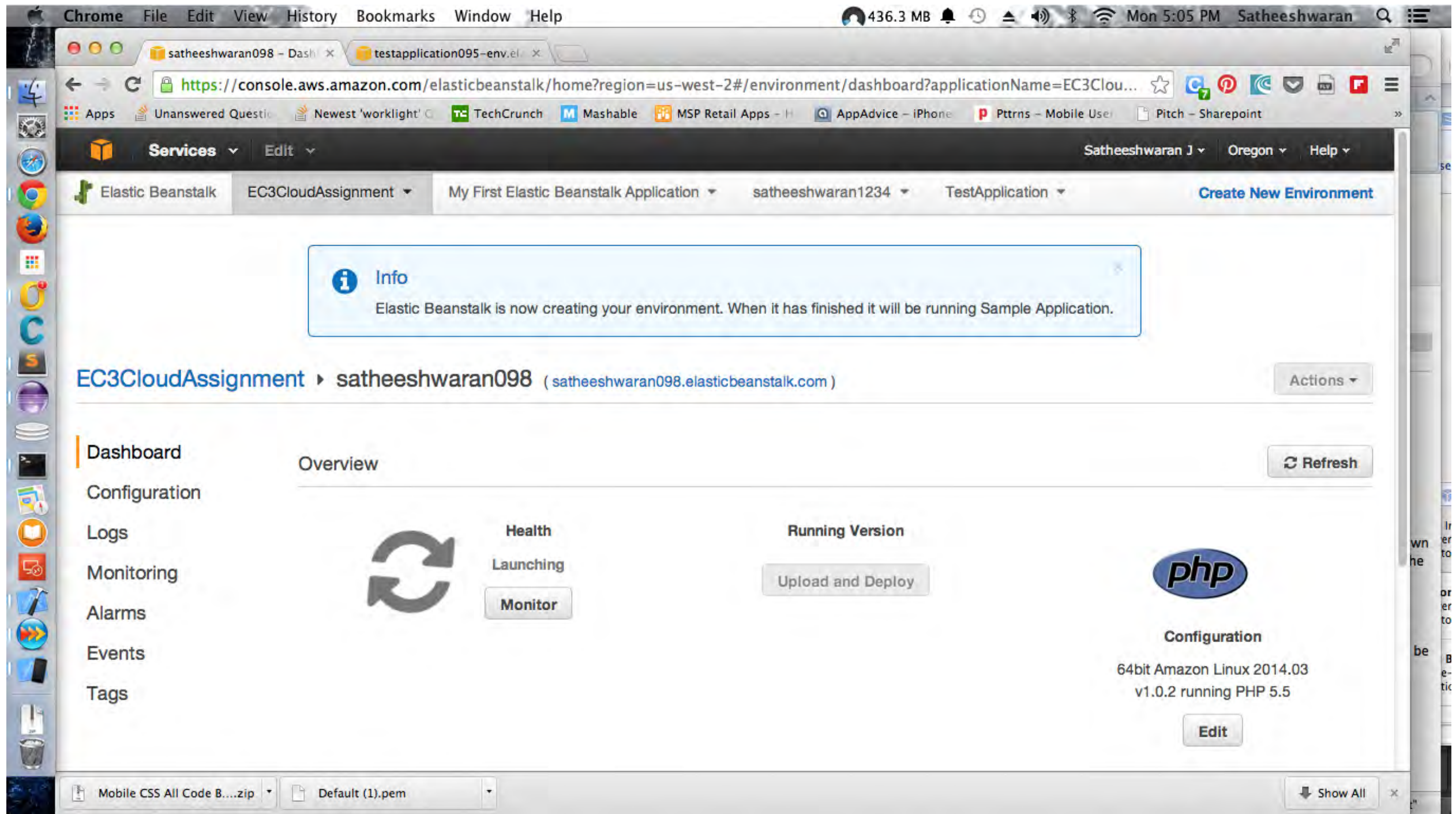
Feedback

Mobile CSS All Code B....zip Default (1).pem Show All

Give some key and value tag to identify this instance. Click Next.



Review all details and Click Launch.



Now what we have done so far,

1. Created a Beanstalk application.
 2. Created a Environment that would create a EC2 instance and would deploy the sample application for us.
- Wait for some time for the instance to be set up and the sample app to be deployed.

Chrome File Edit View History Bookmarks Window Help 224.7 MB Mon 5:09 PM Satheeshwaran

satheeshwaran098 - Dash EC2 Management Console testapplication095-env.ej Mobile - The apps, platfor X-Men: Days Of Future Pa

https://console.aws.amazon.com/ec2/v2/home?region=us-west-2#Instances:

Services Edit Satheeshwaran J Oregon Help

EC2 Dashboard
Events
Tags
Reports

INSTANCES
Instances
Spot Requests
Reserved Instances

IMAGES
AMIs
Bundle Tasks

ELASTIC BLOCK STORE
Volumes
Snapshots

NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Load Balancers

Launch Instance Connect Actions

Filter: All instances All instance types Search Instances 1 to 6 of 6 Instances

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks
satheeshwaran098	i-9644689e	t1.micro	us-west-2c	running	Initializ
satheeshwaran1234-env	i-bf32f6b4	t1.micro	us-west-2b	running	2/2 che
g456g465hy54rgh4gf5gh56h656h6h4h35h53h5...	i-f6be10fe	t1.micro	us-west-2a	running	2/2 che
EC3CloudAssignmentInstance	i-4aa10842	t1.micro	us-west-2a	running	2/2 che
Default-Environment	i-e3eacdeb	t1.micro	us-west-2c	running	2/2 che
testapplication-env	i-c42c0ccc	t1.micro	us-west-2c	running	2/2 che

Instance: i-9644689e (satheeshwaran098) Elastic IP: 54.200.161.128

Description Status Checks Monitoring Tags

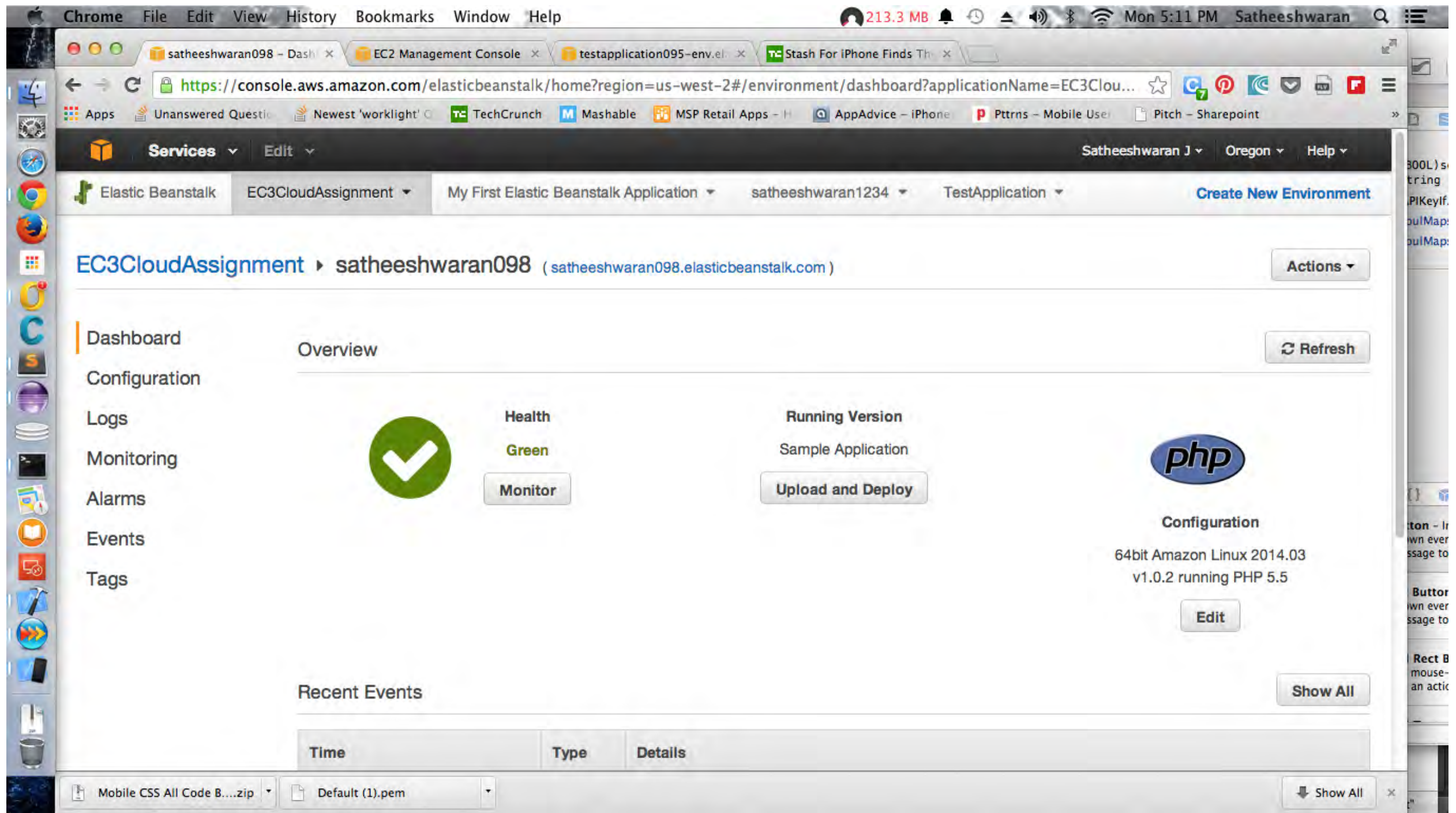
Instance ID i-9644689e Public DNS ec2-54-200-161-128.us-west-2.compute.amazonaws.com

Instance state running Public IP 54.200.161.128

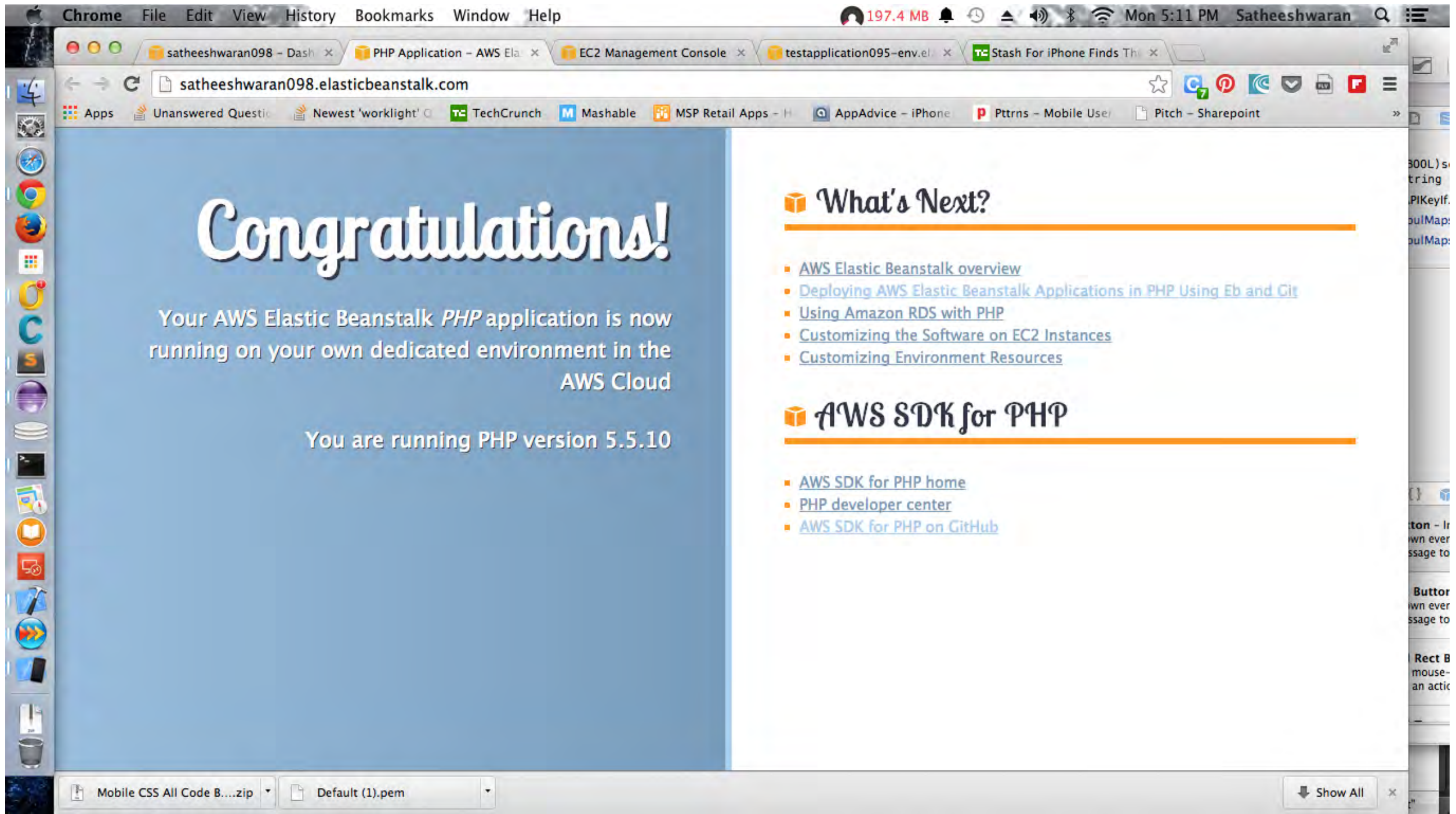
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Maybe you could go to the EC2 console and see for the newly created instance and the status.



When everything is fine and the sample app is deployed you would see this screen.



Clicking on the environments url would show you this sample page.

Now lets do some magic,

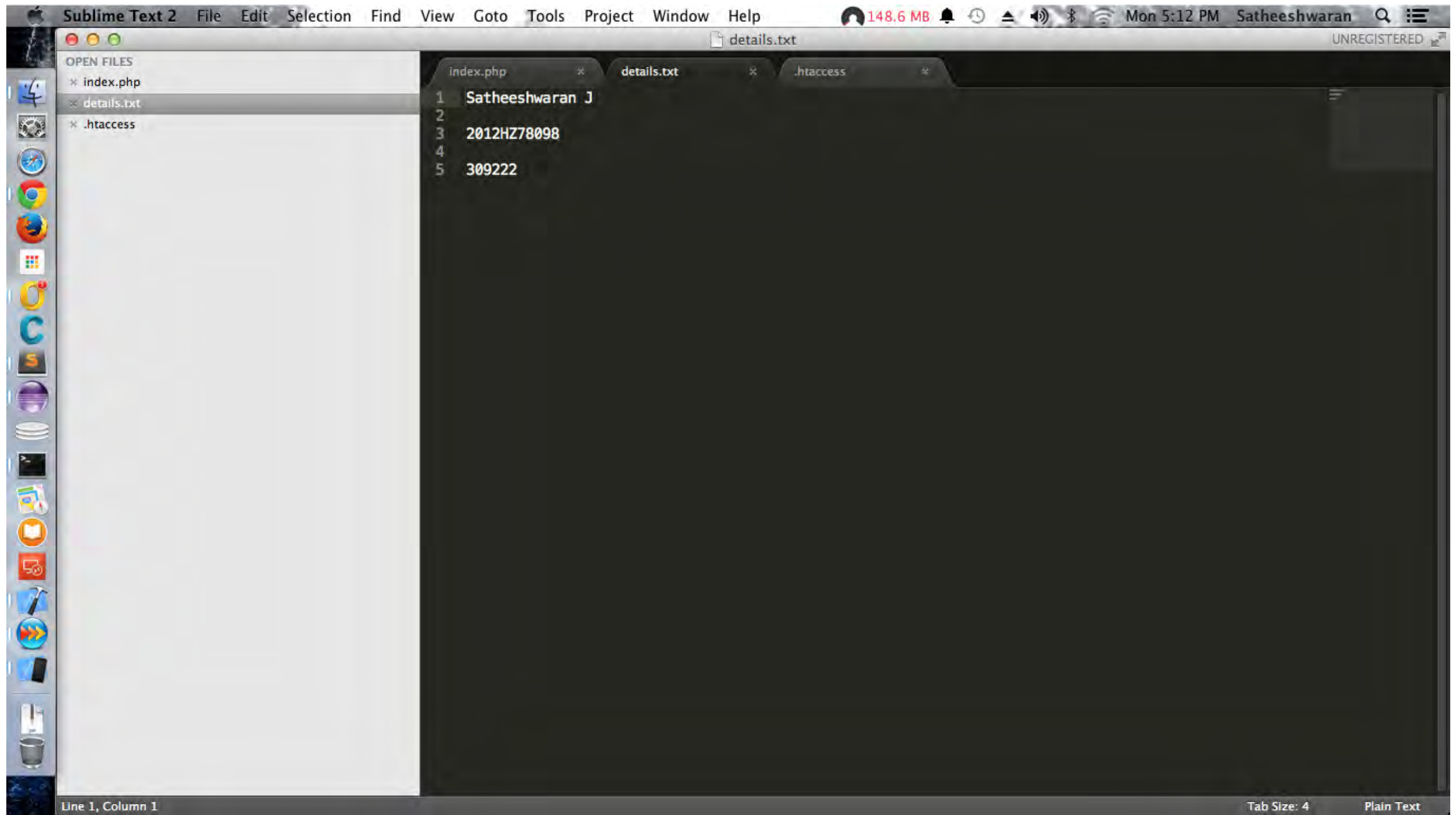
Go to <https://github.com/satheeshwaran/EC3-Cloud-Computing-Sample-Code> and download the code base by clicking on Download ZIP on the right hand side bottom. You would see two folders in the zip file take out the folder called Beanstalk and open it.

Alternatively you could create all the files by yourself you would need three files,

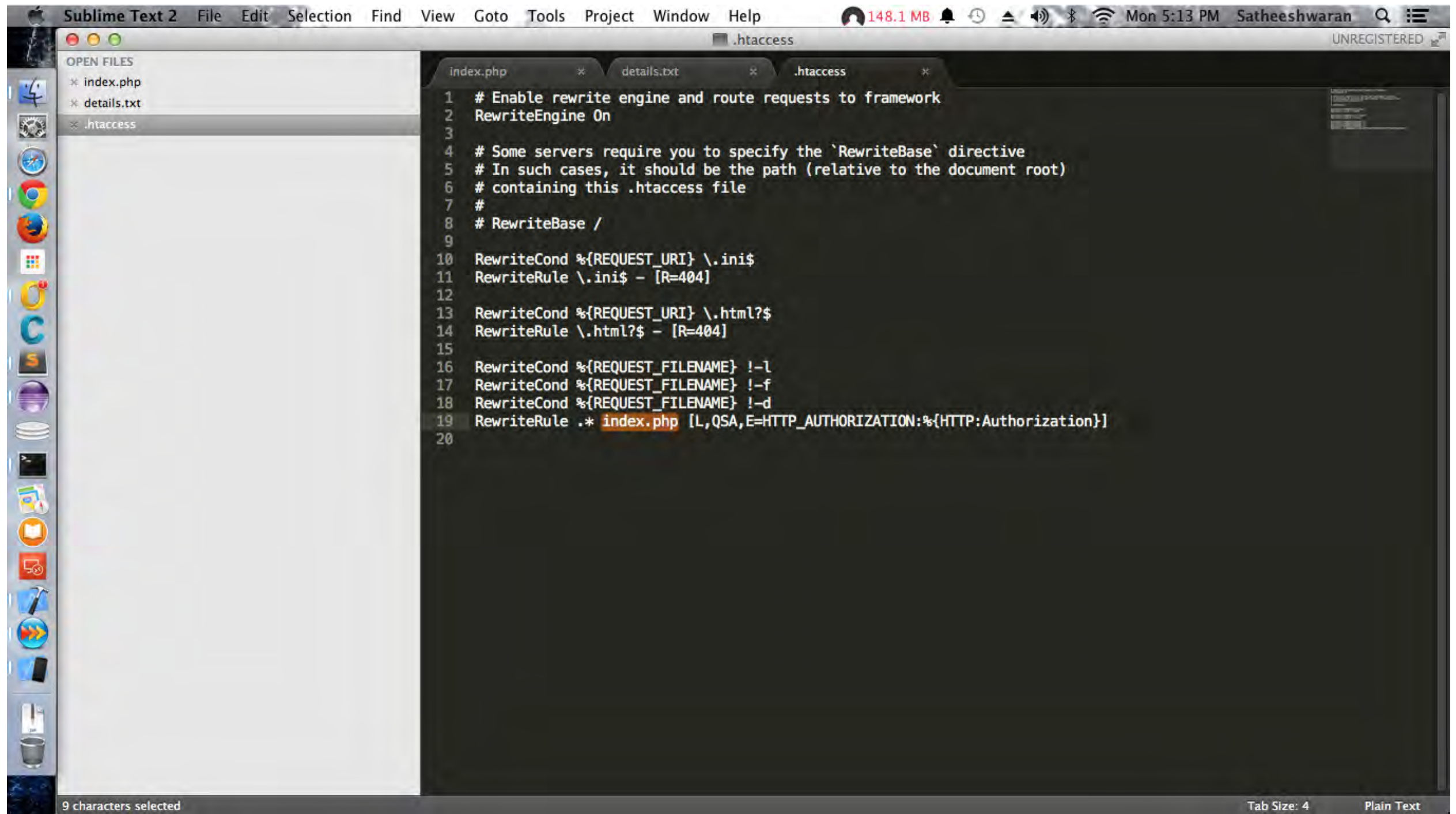
index.php - to echo the contents of the text file and to be the root file for the application.

details.txt - the file that contains all the data Prabhu wants.

.htaccess - to reroute all the calls to the URL to index.php



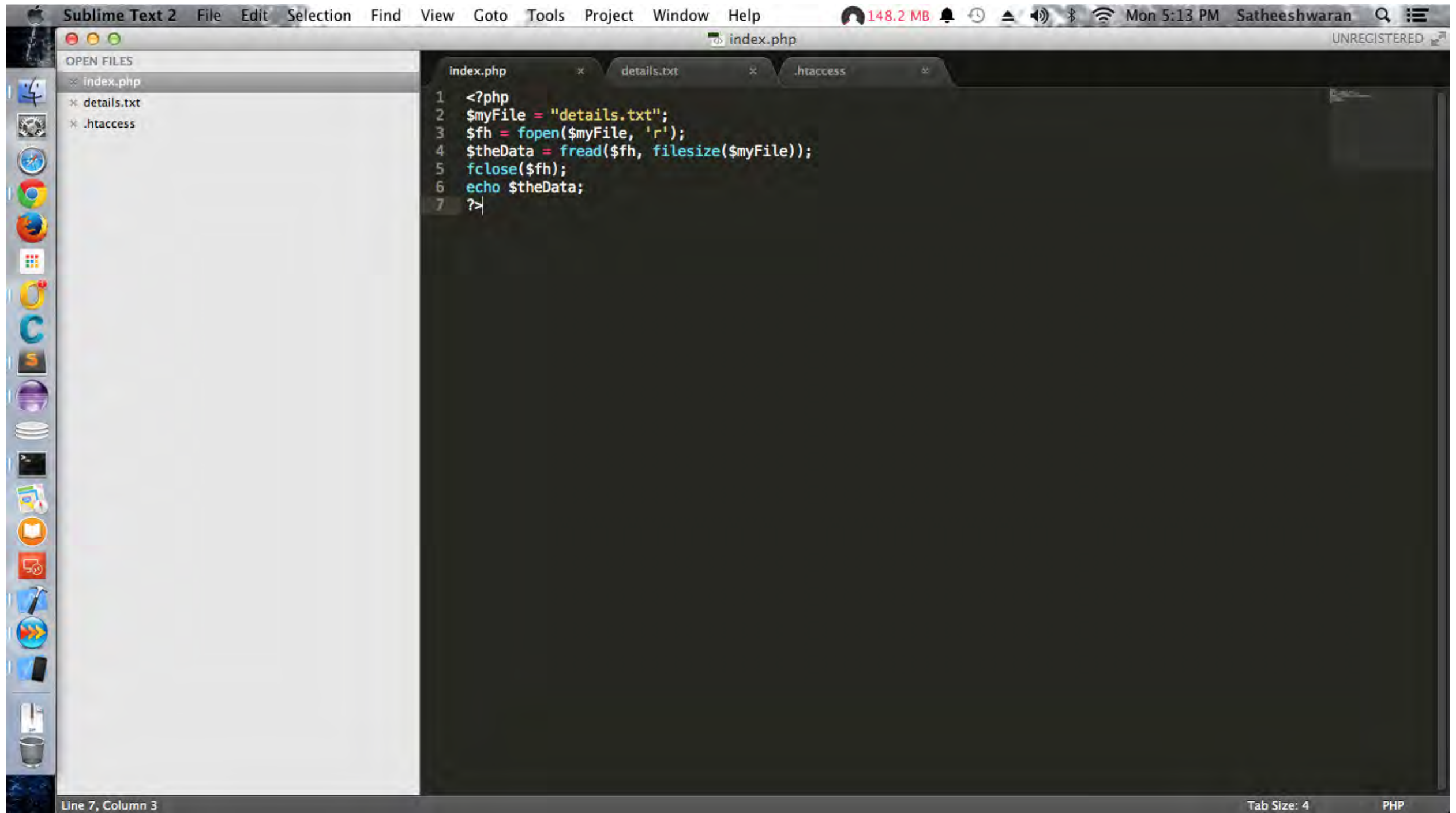
Open details.txt and customize your values.

The image shows a screenshot of the Sublime Text 2 application on a Mac. The window title is "Sublime Text 2" and the menu bar includes "File", "Edit", "Selection", "Find", "View", "Goto", "Tools", "Project", "Window", and "Help". The status bar at the top right shows "148.1 MB", a bell icon, a clock icon, and the date/time "Mon 5:13 PM" along with the name "Satheeshwaran". The "OPEN FILES" sidebar on the left lists "index.php", "details.txt", and ".htaccess". The main editor area has three tabs: "index.php", "details.txt", and ".htaccess". The ".htaccess" tab is active, displaying the following code:

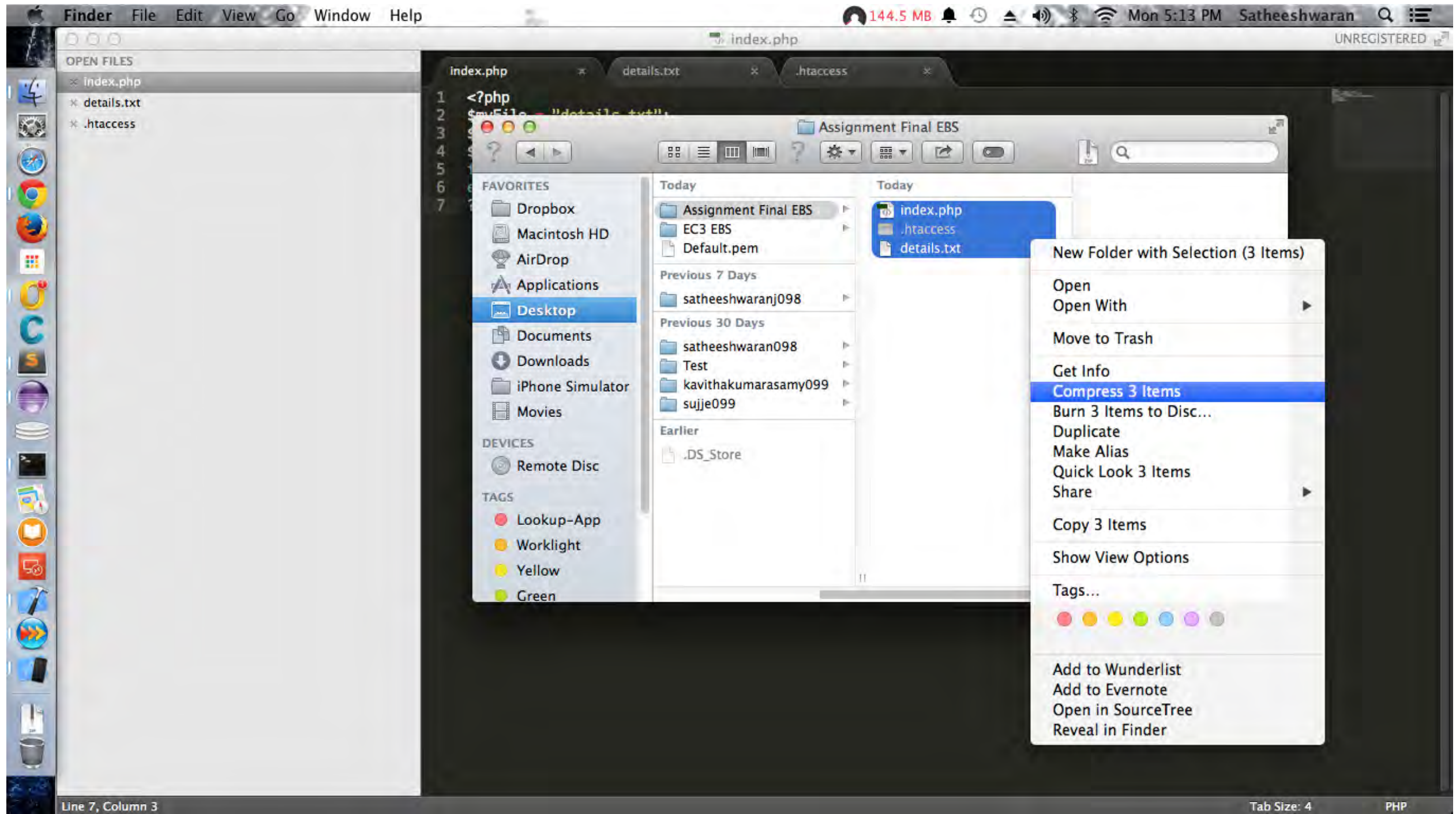
```
1 # Enable rewrite engine and route requests to framework
2 RewriteEngine On
3
4 # Some servers require you to specify the `RewriteBase` directive
5 # In such cases, it should be the path (relative to the document root)
6 # containing this .htaccess file
7 #
8 # RewriteBase /
9
10 RewriteCond %{REQUEST_URI} \.ini$
11 RewriteRule \.ini$ - [R=404]
12
13 RewriteCond %{REQUEST_URI} \.html?$
14 RewriteRule \.html?$ - [R=404]
15
16 RewriteCond %{REQUEST_FILENAME} !-l
17 RewriteCond %{REQUEST_FILENAME} !-f
18 RewriteCond %{REQUEST_FILENAME} !-d
19 RewriteRule .* index.php [L,QSA,E=HTTP_AUTHORIZATION:%{HTTP:Authorization}]
20
```

The status bar at the bottom indicates "9 characters selected", "Tab Size: 4", and "Plain Text".

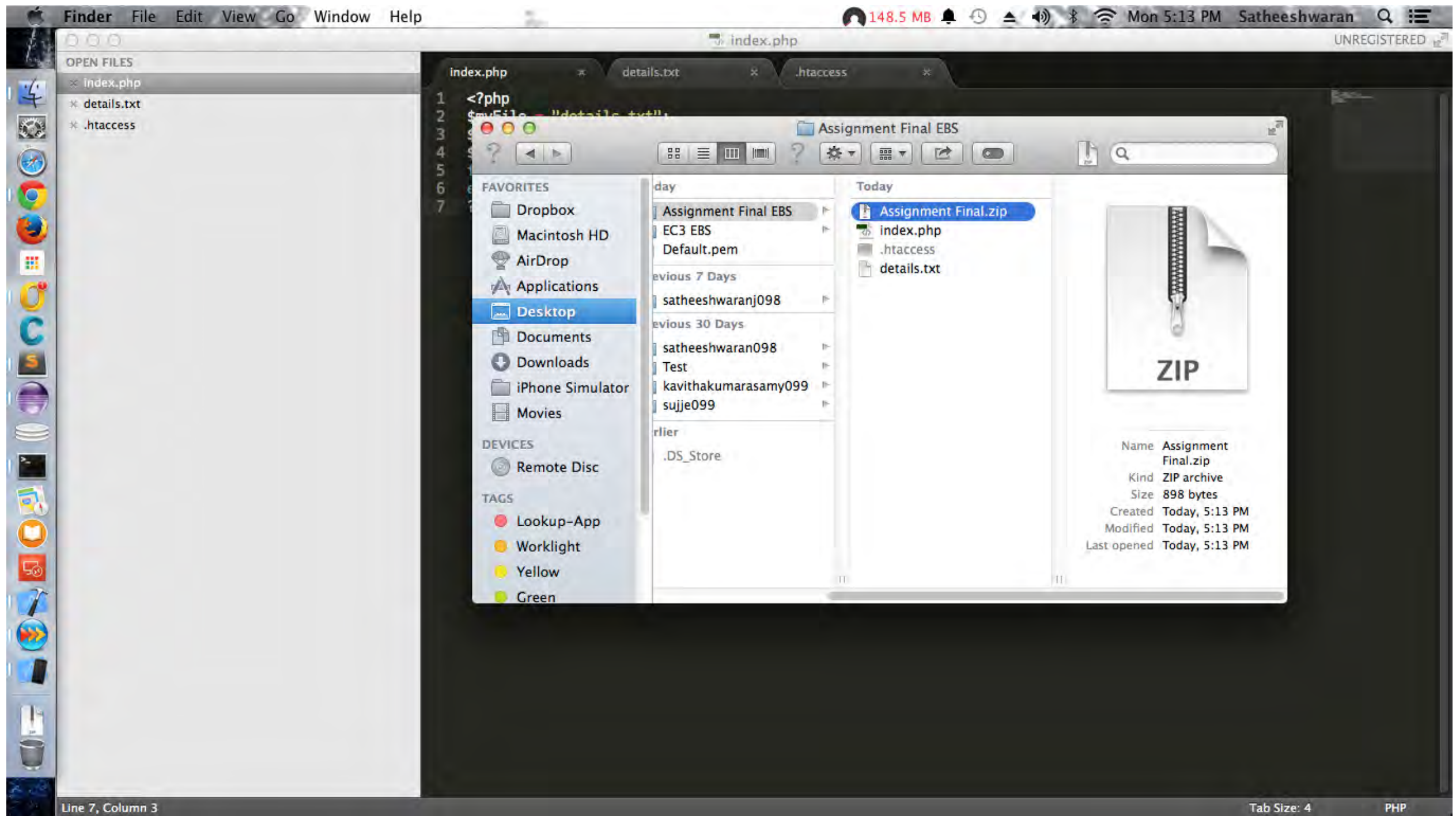
Open the file called .htaccess and see the last line should point to index.php (this file would be a hidden file on the mac). So this file does all the magic for us by redirecting all requests to the server to index.php in the application.



index.php does nothing but reading the file called details.txt and echo'ing it on the screen.



Now select all the three files and compress them to a .zip file because beanstalk only accepts .zip files as application files.



Rename the .zip to something meaningful

Chrome File Edit View History Bookmarks Window Help 146.7 MB Mon 5:13 PM Satheeshwaran

satheeshwaran098 - Dash x PHP Application - AWS Ela x EC2 Management Console x testapplication095-env.el x TC Stash For iPhone Finds Th x

https://console.aws.amazon.com/elasticbeanstalk/home?region=us-west-2#/environment/dashboard?applicationName=EC3Clou... ☆ C P C V D F

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Elastic Beanstalk EC3CloudAssignment My First Elastic Beanstalk Application satheeshwaran1234 TestApplication Create New Environment

EC3CloudAssignment ▶ satheeshwaran098 (satheeshwaran098.elasticbeanstalk.com) Actions

Dashboard Overview Refresh

Configuration

Logs

Monitoring

Alarms

Events

Tags

Health Green Monitor

Running Version Sample Application Upload and Deploy

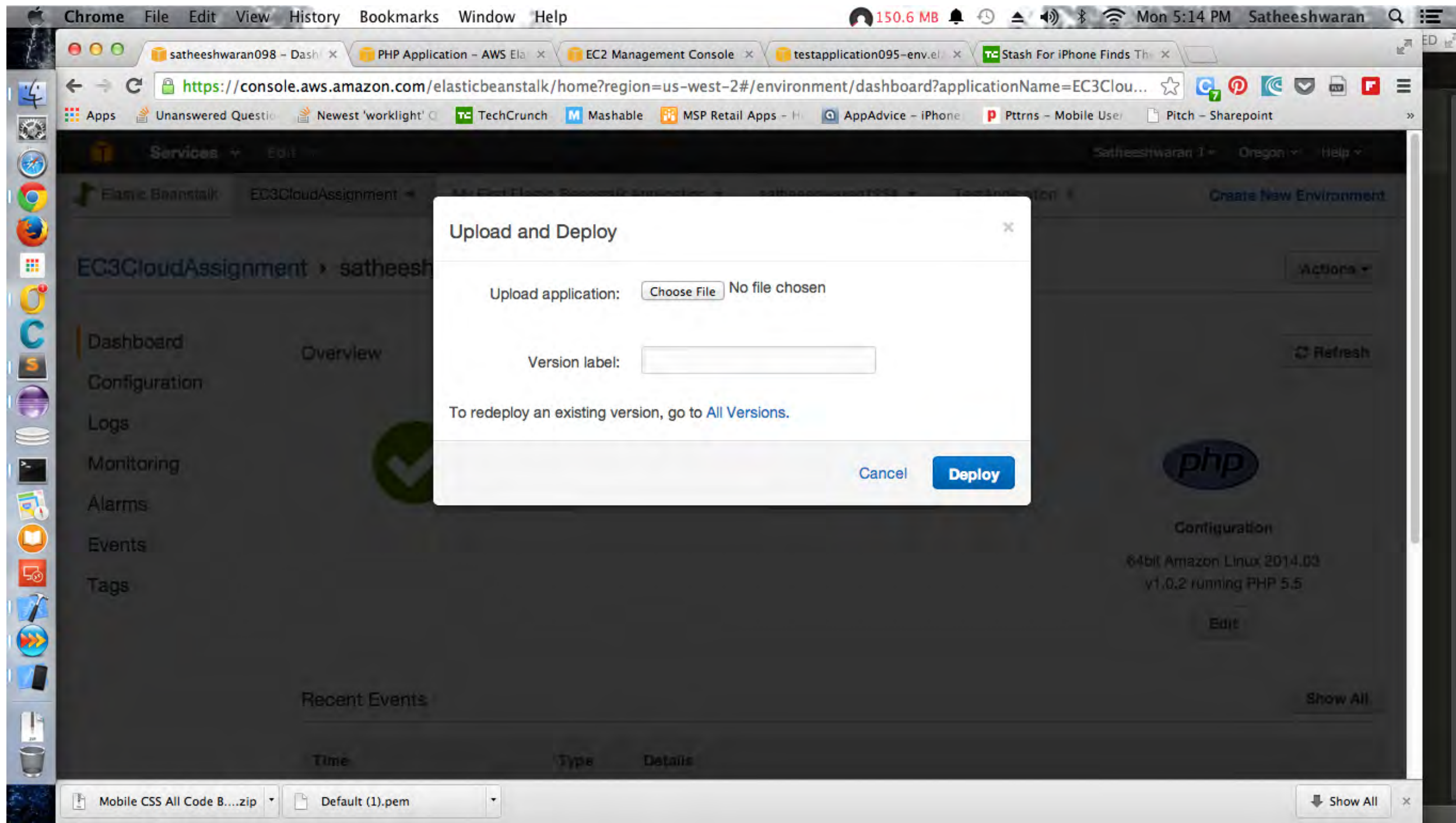
Configuration 64bit Amazon Linux 2014.03 v1.0.2 running PHP 5.5 Edit

Recent Events Show All

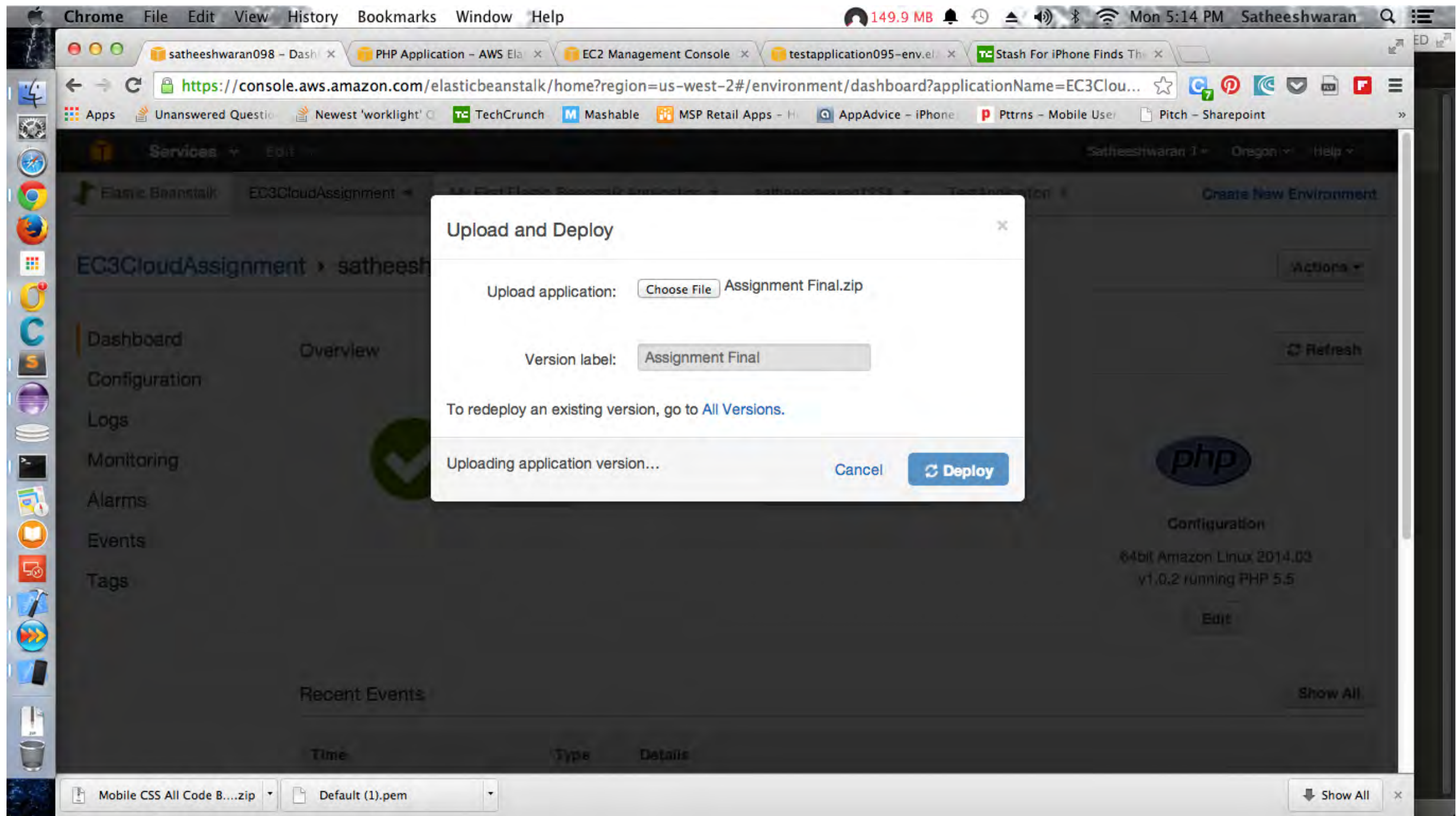
Time	Type	Details
------	------	---------

Mobile CSS All Code B....zip Default (1).pem Show All x

Now come back to the environment page and click on Upload and Deploy.



Click on choose file and browse the .zip file we created in the previous step.



The version label is automatically taken from the ZIP file. Now click on Deploy.

Chrome File Edit View History Bookmarks Window Help 147.8 MB Mon 5:14 PM Satheeshwaran

satheeshwaran098 - Dash x PHP Application - AWS Ela x EC2 Management Console x testapplication095-env.el x Stash For iPhone Finds Th x

https://console.aws.amazon.com/elasticbeanstalk/home?region=us-west-2#/environment/dashboard?applicationName=EC3Clou... ☆

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Services Edit Satheeshwaran J Oregon Help

Elastic Beanstalk EC3CloudAssignment My First Elastic Beanstalk Application satheeshwaran1234 TestApplication Create New Environment

EC3CloudAssignment ▶ satheeshwaran098 (satheeshwaran098.elasticbeanstalk.com) Actions

Dashboard Overview Refresh

Configuration

Logs

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Events

Tags

Health Updating Monitor

Running Version Sample Application Upload and Deploy

Configuration

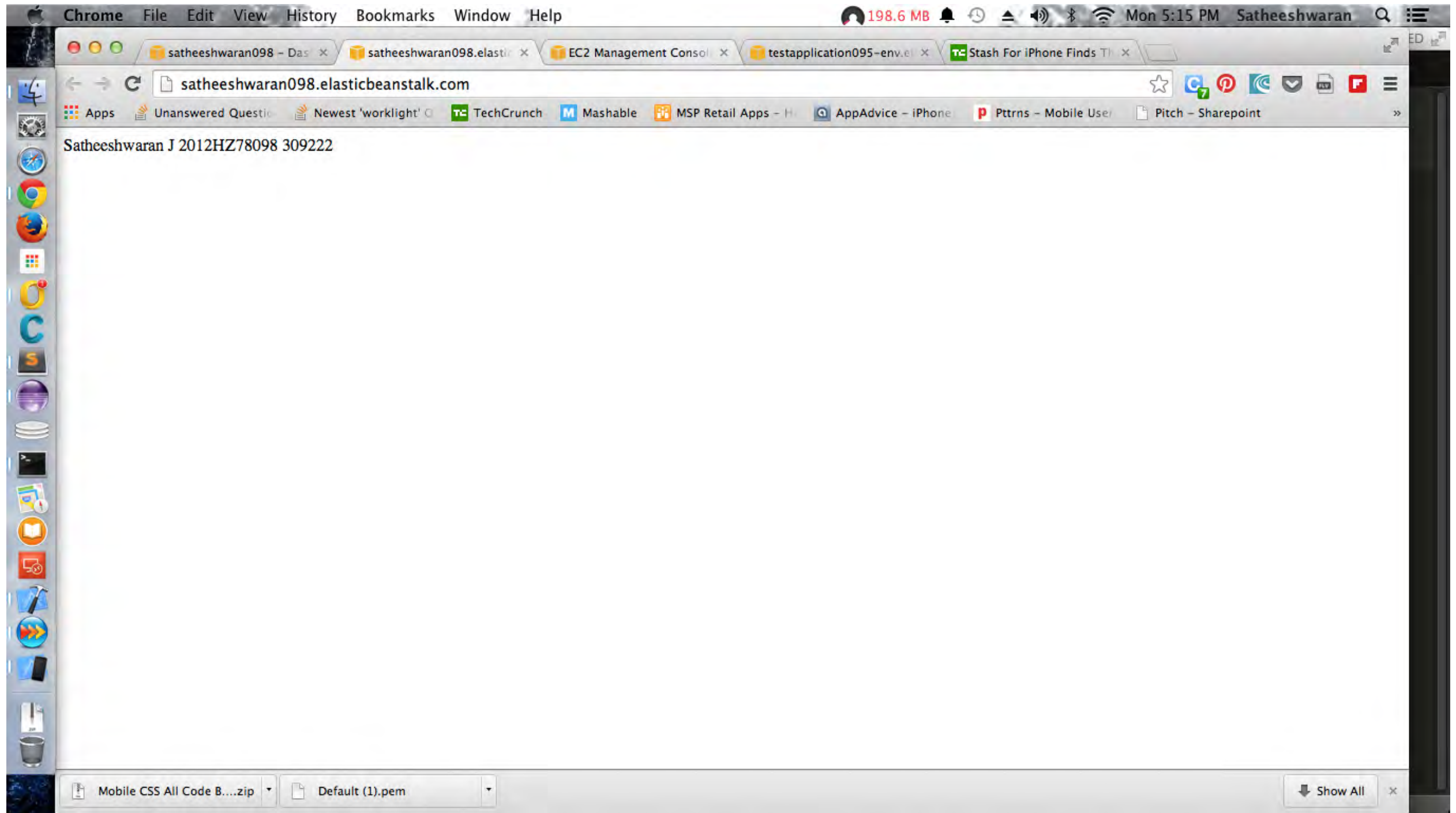
64bit Amazon Linux 2014.03 v1.0.2 running PHP 5.5 Edit

Recent Events Show All

Time	Type	Details
------	------	---------

Mobile CSS All Code B....zip Default (1).pem Show All

Again the application would be updated and this takes few seconds, when the update is done click on the env url.



It would echo us the contents of details.txt file.

Disclaimer

I cannot guarantee that you would get full marks for following all my steps. I guess I am almost right with the steps and the url is still giving me details.txt's contents. Feel free to ask me any questions with the steps, kindly forgive me for any spelling mistakes as I did this in a very short period of time. Thanks!