#### sudo soldiers

#### learn web development

github.com/SudoSoldiers fb.com/groups/uwhackers/

#### whoami

- karan goel
- a n00b at web dev
- love open web
- goel.im
- github.com/karan



## who are you?

- know html/css/js?
- know python/ruby?
- worked with heroku/aws/etc?
- expected: have taken 142/143/154

#### what this is about

- open and free web dev education
- full-stack web development
- complete workflow
- building a portfolio + community

## our expectation

- we only guide
- you learn when you do. PERIOD!

## ENOUGH!

• gimme some juice...

#### how the web works

- https://www.udacity.com/course/viewer#!/ccs253/I-48737165/e-48230539/m-48742046
- browser sends requests
- server processes requests

#### who is a web developer?

- build and maintain websites
- knows:
  - html/css
  - js
  - python/ruby/etc

#### frontend vs backend

- frontend:
  - what you see
  - html, css, js
- backend:
  - guts of the app
  - js, python, ruby etc

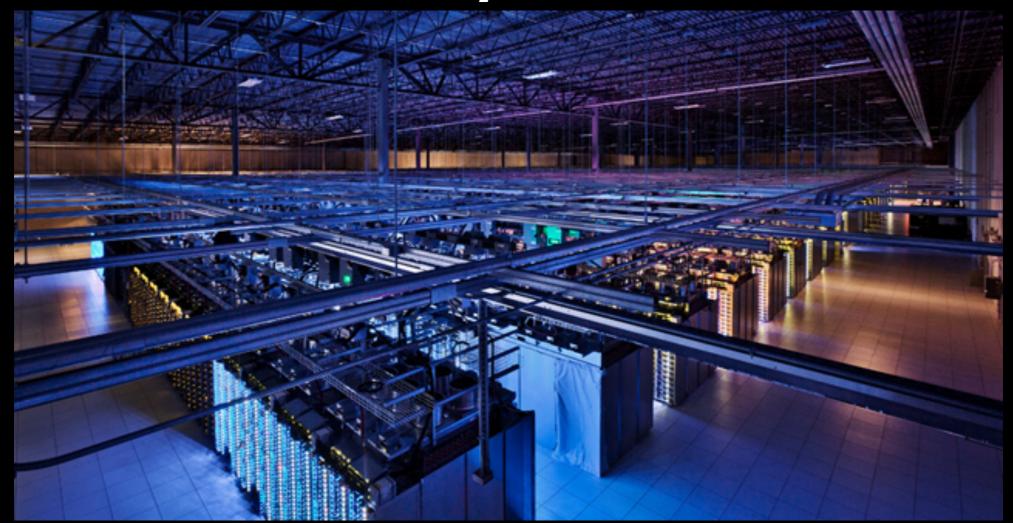




**Google Search** 

I'm Feeling Lucky

# V/S



#### full stack

- all ends
- server + browser

#### tools

- text editor (sublime > notepad++)
- terminal
- git, github (get an account)
- jade
- chrome web tools
- google + stackoverflow

#### node

- js server
- more later
- download and install (<u>nodejs.org</u>)
- test using node and npm in terminal

#### git

- git init
- (make changes)
- git add <filename>
- git commit -m "i made some changes"
- [git push -u origin master]

#### chrome dev tools

- http://discover-devtools.codeschool.com/
- built into Google Chrome
- access into the internals of the browser and web applications

## jade

- template engine
- clean, minimal html
- npm install jade

#### jade

```
<!DOCTYPY html>
<head>
    <title>Karan Goel</title>
</head>
<body>
    <h1>Karan Goel</h1>
    Hi! I'm Karan Goel, a student at
the University of Washington. Say hello!</
p>
    <input type="email" placeholder="Your</pre>
email">
    <input type="submit">
</body>
</html>
```

```
doctype html
head
    title Karan Goel
body
    h1 Karan Goel
    p Hi! I'm Karan Goel, a student at
the University of Washington. Say hello!
    input(type="email",
placeholder="Your email")
    input(type="submit")
```

## jade

- https://github.com/SudoSoldiers/WebDev
- jade -P index.jade
- jade -w index.jade

#### CSS

make that shit look pretty

```
link(rel="stylesheet", href="style.css", type="text/css")
body {
  text-align: center;
  background: black;
  color: white;
  font-family: helvetica;
}
```

## great!

- now you have a page...
- ... that no one else can see

## hosting options

- shared hosting (\$) hostgator
- vps (\$\$) digitalocean
- dedi? (\$\$\$\$) rackspace
- cloud (free-\$\$) heroku, was
- github http://pages.github.com/
- uw web publishing (free) <a href="https://www.washington.edu/">https://www.washington.edu/</a>
   itconnect/connect/web-publishing/shared-hosting/

## let's deploy it

- uw web publishing
- SFTP filezilla
  - <u>vergil.u.washington.edu</u>: 22
  - NetID
  - NetID password
- Move files into public\_html

## readings

- https://github.com/SudoSoldiers/WebDev/tree/master/p0
- What makes a great web developer? <a href="http://www.quora.com/What-makes-a-great-web-developer">http://www.quora.com/What-makes-a-great-web-developer</a>
- Things I Wish Someone Had Told Me When I Was Learning How to Code - <a href="https://medium.com/learning-to-code/565fc9dcb329">https://medium.com/learning-to-code/565fc9dcb329</a>
- My year in open source (shameless plug) <a href="http://karan.github.io/2013/12/31/my-year-in-open-source.html">http://karan.github.io/2013/12/31/my-year-in-open-source.html</a>

## anything else?

office hours on facebook group
 show us what you made

<u>github.com/SudoSoldiers</u> <u>fb.com/groups/uwhackers/</u>