

FLATIRON SCHOOL LONDON

THE EXTRAORDINARY JOURNEY
OF A SOFTWARE ENGINEER

@SONYAMOISSET 🦄🌐

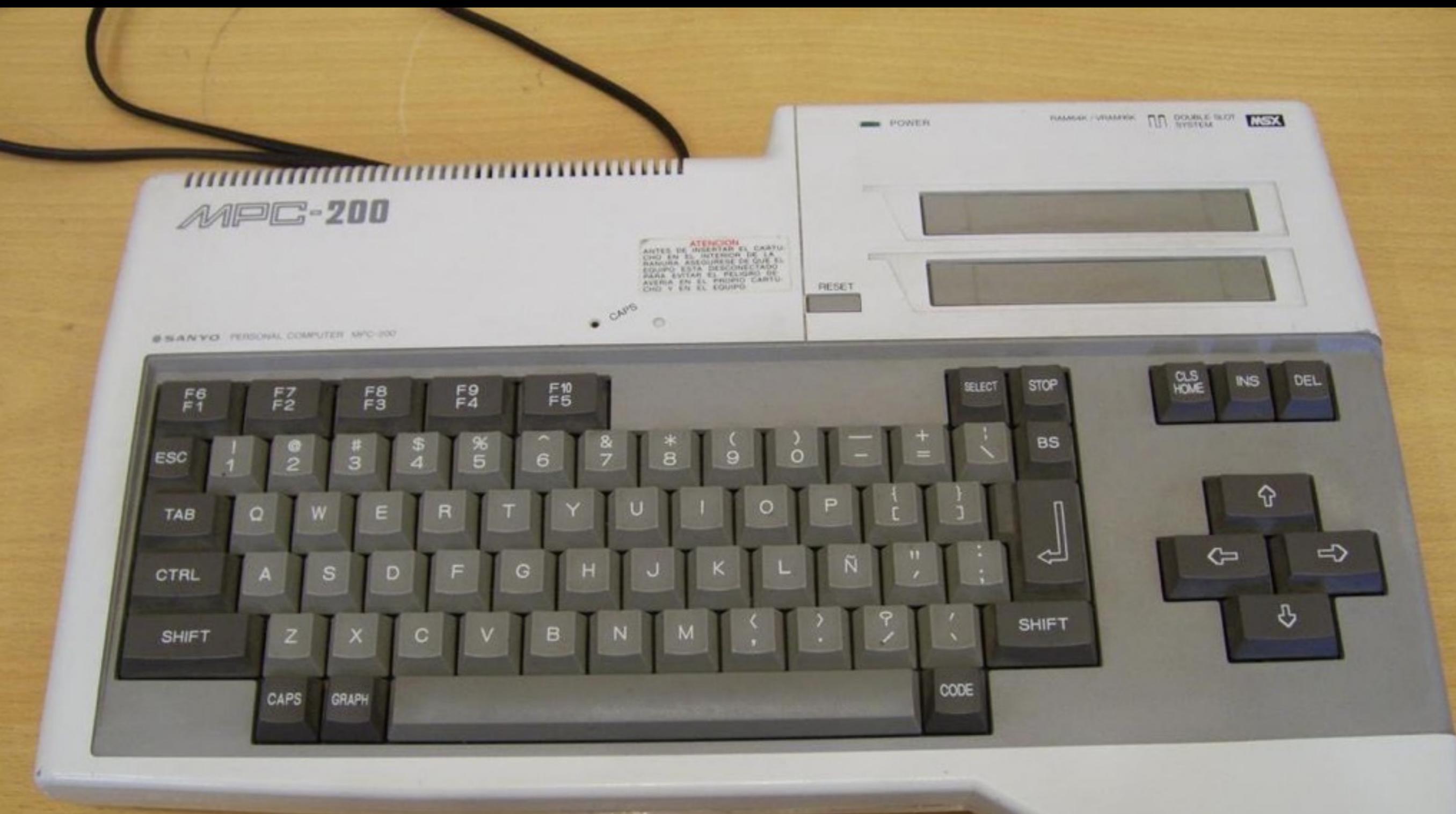
- . SELF-TAUGHT FULL STACK SOFTWARE ENGINEER
- . SECURITY ENGINEER
- . TECH ADVOCATE



THE EXTRAORDINARY
JOURNEY OF A
SOFTWARE
ENGINEER



THE JOURNEY STARTS IN SAUDI ARABIA



MSX BASIC version 4.1
Copyright 1990 by Microsoft
25155 Bytes free
Disk BASIC version 2.01
Ok



TIME144 DIST0000 030 SP



color

auto

goto

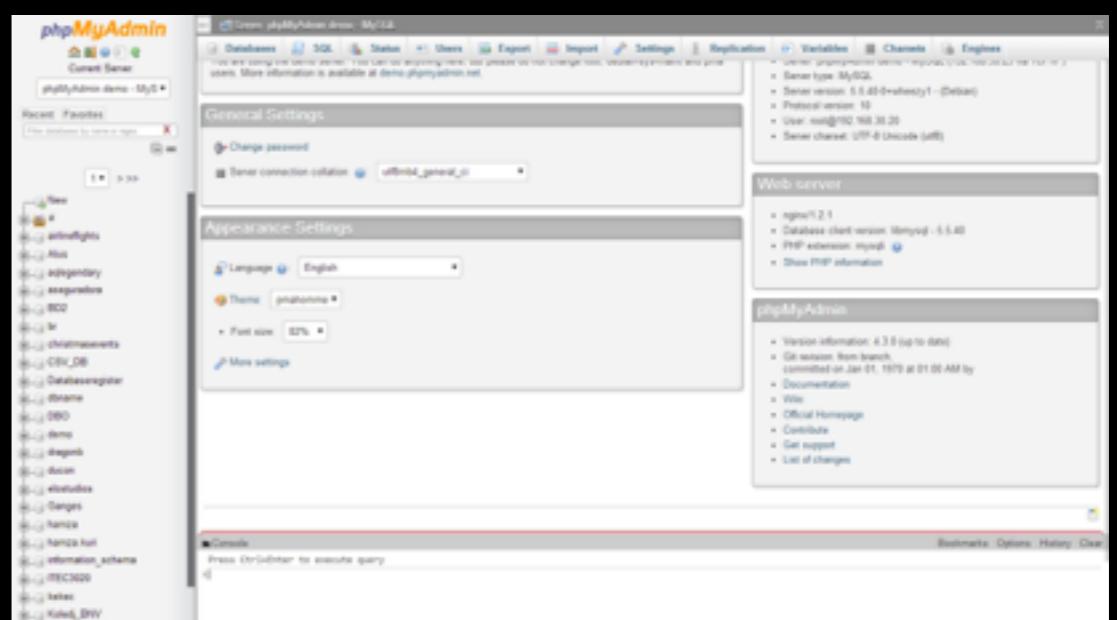
list

run

THE JOURNEY CONTINUES IN TUNISIA & FRANCE

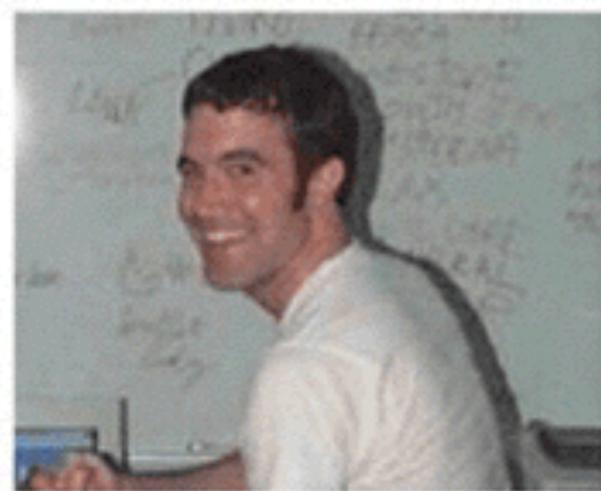


- XHTML
- CSS2
- HTML 4.0
- ECMASCIPT 3/4
- PHP



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Tom



":)"

Male
30 years old
Santa Monica,
CALIFORNIA
United States

Last Login:
8/27/2006

[View My: Pics](#) | [Videos](#)

Contacting Tom

[!\[\]\(c444627dab9fee9a1550c053ffaaaae2_img.jpg\) Send Message](#)[!\[\]\(0d7ca0919e6c47bbd874bfa0189fe22e_img.jpg\) Forward to Friend](#)[!\[\]\(274fd520e03b61c1b9ffc861754cacdc_img.jpg\) Add to Friends](#)[!\[\]\(f219cfc00b8db0cd1a81ae1fc9afaf28_img.jpg\) Add to Favorites](#)[!\[\]\(06a315363e7801bba8c7489a6694af19_img.jpg\) Instant Message](#)[!\[\]\(683dba75afe26e28cd4de5730b776760_img.jpg\) Block User](#)[!\[\]\(df47d6bec273bbb8b349135fff3a20f7_img.jpg\) Add to Group](#)

Tom is in your extended network

Tom's Latest Blog Entry [[Subscribe to this Blog](#)]

private profiles ([view more](#))

Top 8, 16, 20, 24 friends :) ([view more](#))

MySpace Concert & Parties -Georgia, Orlando, Miami! ([view more](#))

In Stores Today - MySpace Records Vol. 1 ! ([view more](#))

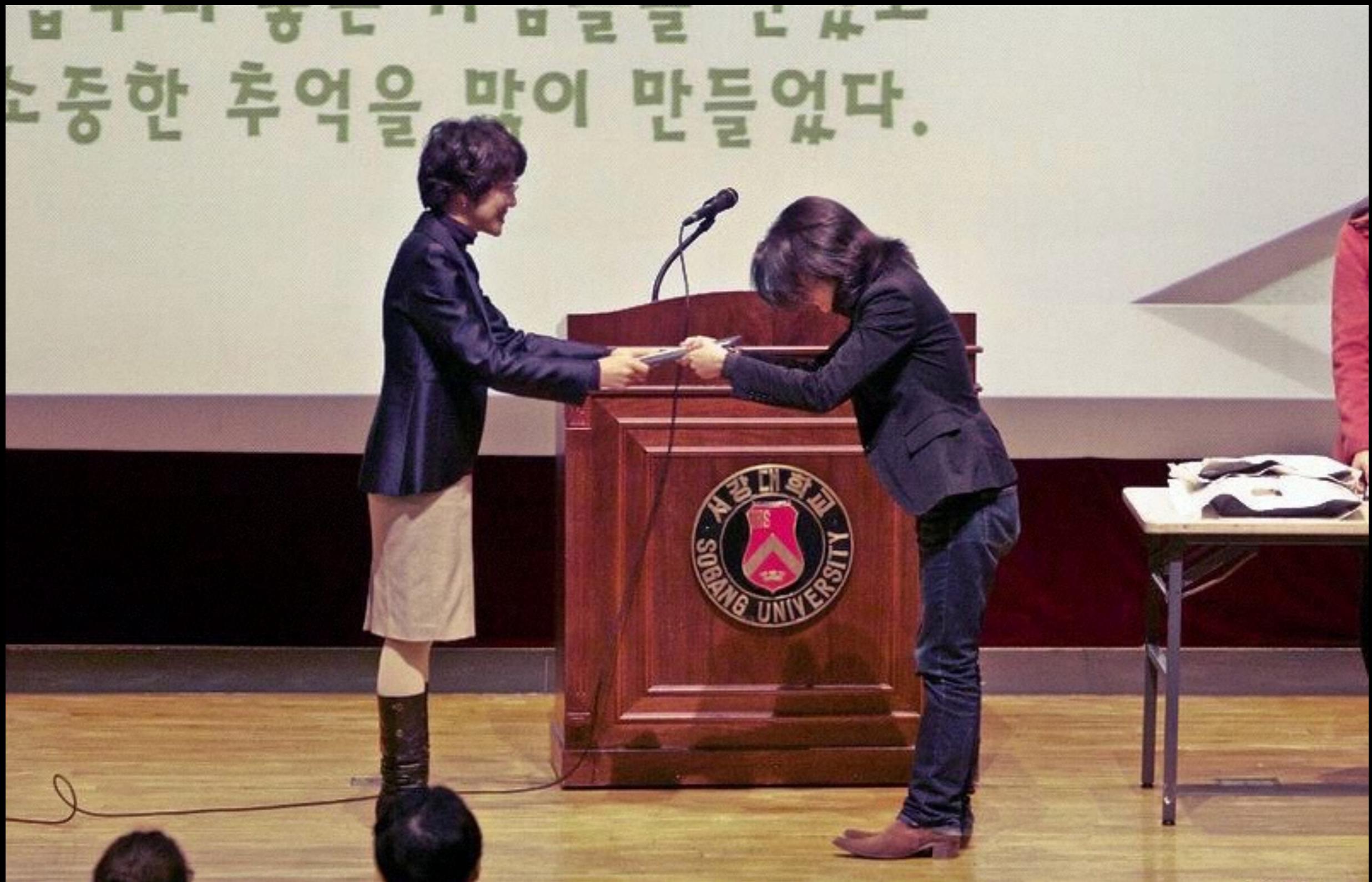
MySpace Records - in stores soon! ([view more](#))

[[View All Blog Entries](#)]

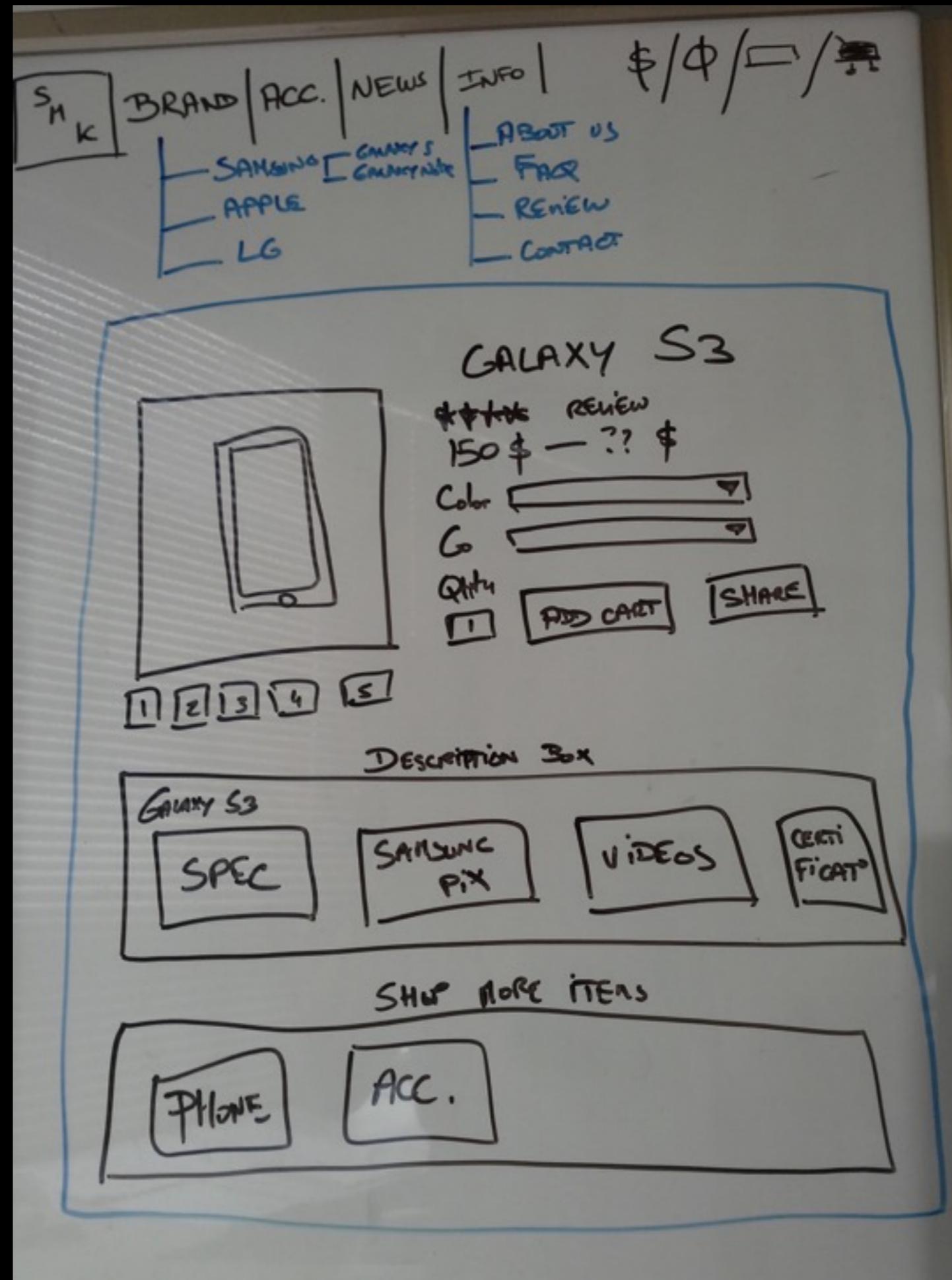
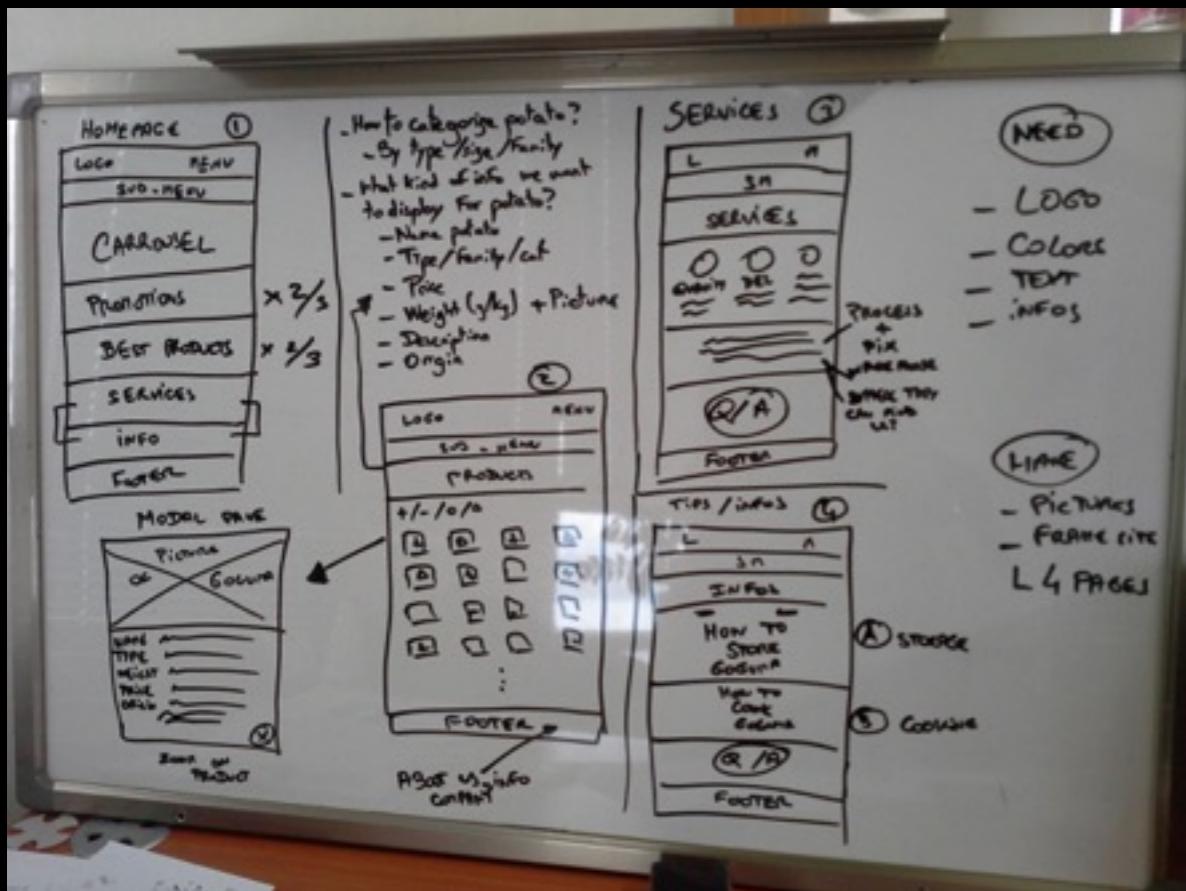
Tom's Blurbs

[About me](#)

THE JOURNEY CONTINUES IN SOUTH KOREA

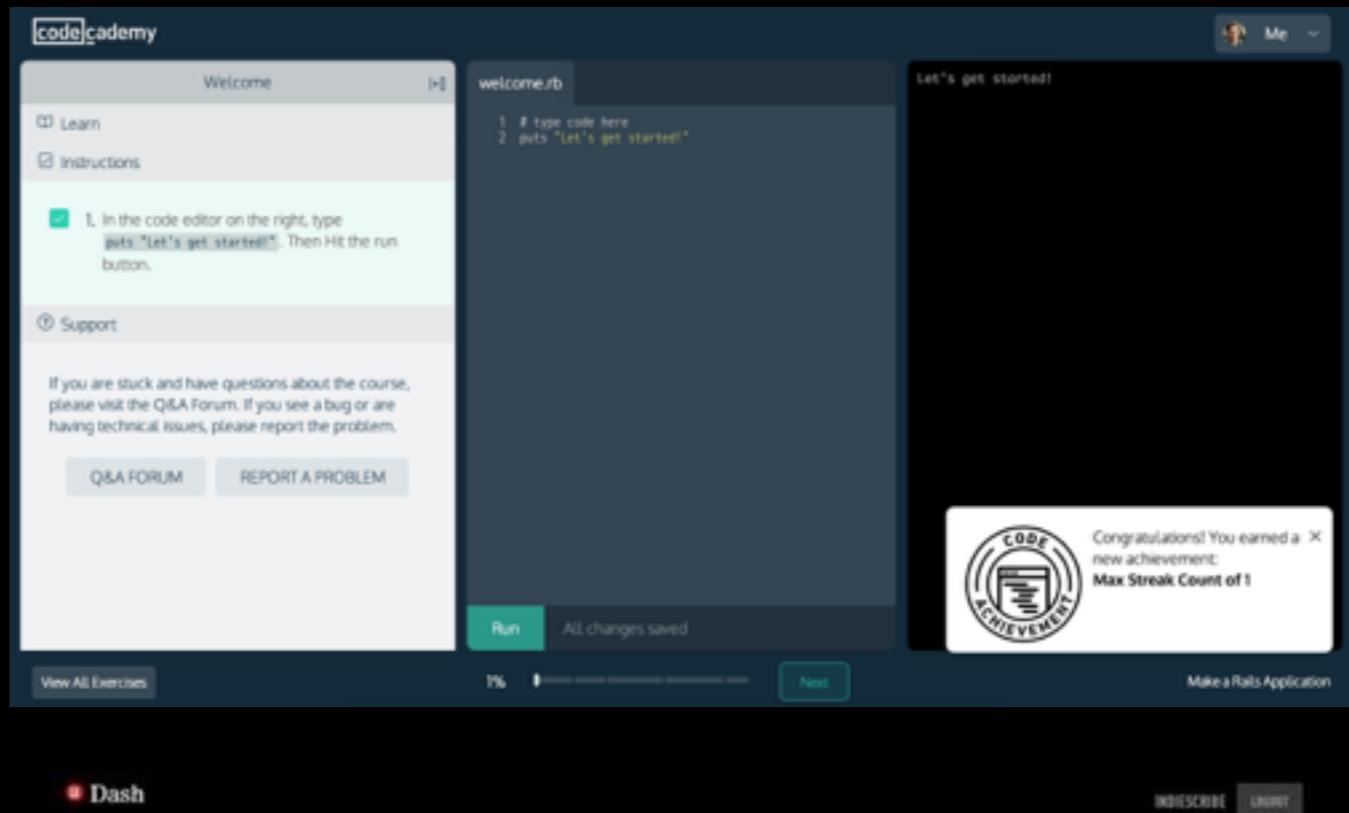


MIXING CONSULTANCY WITH TECH



LOOKING FOR A NEW CHALLENGE

- 2014
 - Codecademy
 - Dash
 - Khan Academy

A screenshot of the Codecademy dashboard. It features two main project cards: 'PROJECT 1: BUILD A PERSONAL WEBSITE' and 'PROJECT 2: BUILD A RESPONSIVE BLOG THEME'.

PROJECT 1: BUILD A PERSONAL WEBSITE
Your friend Anna wants you to make a website for her.
1. Make the headline and inputs
2. Style the background and text
3. Add a background image and logo
4. Build your own personal website [View Project](#)

PROJECT 2: BUILD A RESPONSIVE BLOG THEME
Anna's friend Jeff needs a custom theme for his poetry blog.
1. Make the header and navigation HTML
2. Style the header with CSS
3. Add responsive design + "like" button
4. Build your own blog theme [View Project](#)

ANNOUNCEMENTS
[LEARN TO MAKE TUMBLR THEMES](#)
We've partnered with Tumblr to show you how to code Tumblr themes from scratch. Check it out!
[GO TO BASH FOR TUMBLR](#)

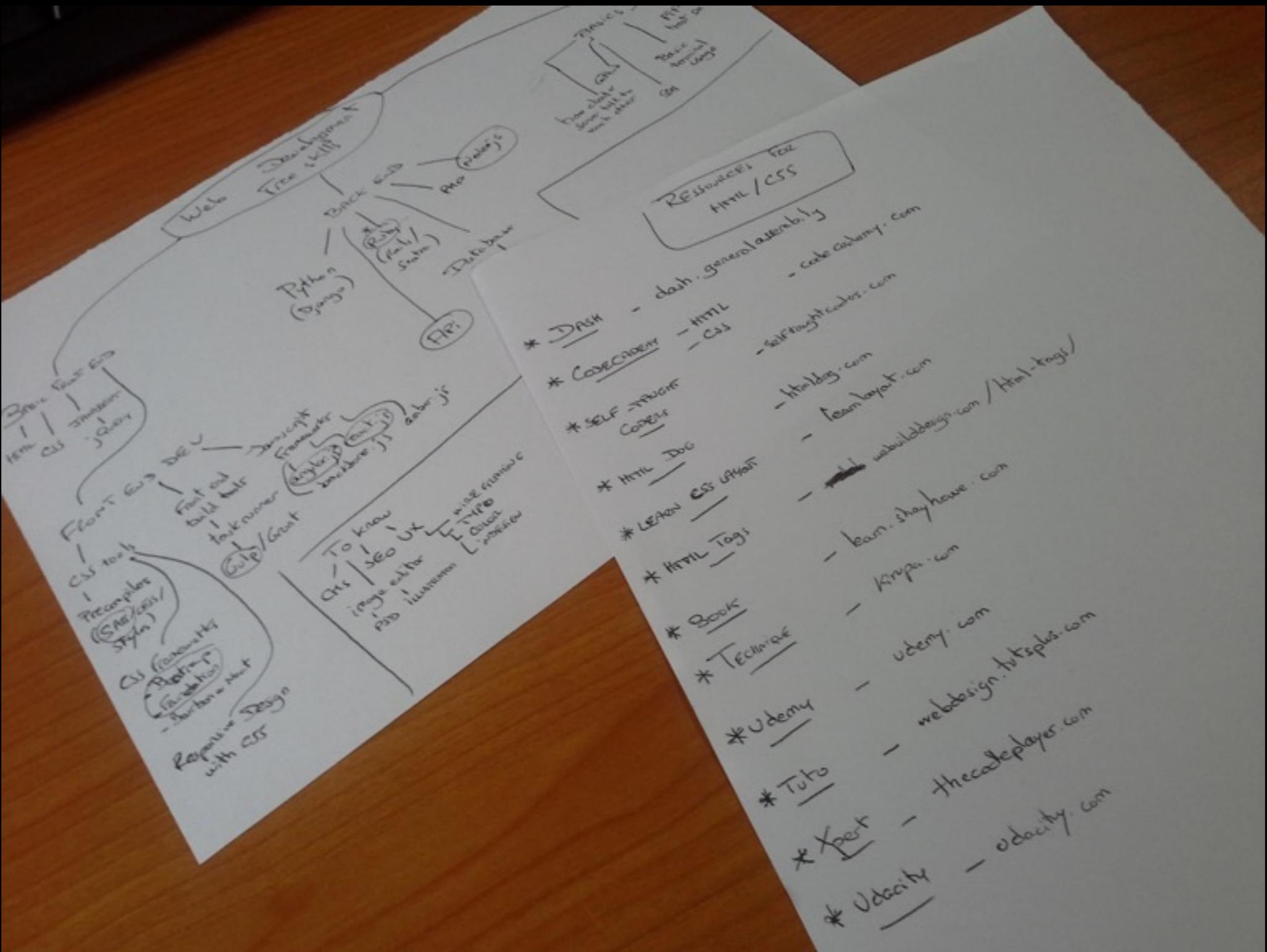
CODE WITH FRIENDS!
Do you like Dash? Share the coding love!
[f](#) [t](#) [t](#)

SKILLS
0 / 82
You can unlock skills by completing checkpoints in lessons.
[View All Skills](#) [View All Lessons](#)



MR. ROBOT

STILL LOOKING FOR A NEW CHALLENGE



HOW TO STAY FOCUSED AND AVOID RABBIT HOLES

- Set goals & define a roadmap
- Avoid the tutorial heaven and buzzwords
- Check the job ads and focus on what you **REALLY** need to learn to be marketable

DO SOME RESEARCH

indeed

Software Engineer jobs in London

what where

Software Engineer london Find Job

job title, keywords or company city or postcode

New! Join Indeed Prime - Get offers from great tech companies Jobs 1 to 10 of 7,450

Software Engineer - Full Stack - London Skyscanner in partnership with Indeed Prime - London What you can expect as a software engineer: Previous job experience as a software engineer ideally within an internet economy business.... Sponsored by Indeed Prime - [save job](#)

Full-stack Software Engineer Snapppt - London We are looking for passionate fullstack engineers with in-depth Ruby and Javascript experience. We are looking for engineers that are passionate about... [Easily apply to this job](#) Sponsored - [save job](#)

Software Engineer Northrop Grumman UK - ★★★★☆ 3,451 reviews - London Northrop Grumman has immediate opportunities for experienced software engineers to design, develop and maintain a suite of applications... Sponsored - [save job](#)

Software Engineer Indeed Prime - London Apply to 100+ top companies with 1 simple application to Indeed Prime. Free for job seekers. How Indeed Prime Works Apply to Prime in 5 minutes. Add your... Sponsored - [save job](#)

Software Engineer Google - ★★★★☆ 2,078 reviews - London Google's software engineers develop the next-generation technologies that change how billions of users connect, explore, and interact with information and one... 30+ days ago - [save job](#) - [more...](#)

Director of Engineering Sn-ap Travel Technology Ltd - London £112,000 - £132,000 a year You have at least 7 years of commercial software development experience building and leading teams. Foster an environment of learning for the team and act as a... [Easily apply to this job](#) 30 days ago - [save job](#) - [more...](#)

Software Engineer Internship 2018 McLaren - ★★★★☆ 41 reviews - London We have many fantastic roles working across our core teams these include, Concepts and Innovative Design, Software and Analytics, Decision Science, Design...

My recent searches

Software Engineer

» clear searches

Sort by: relevance - date

Distance: within 25 miles

Salary Estimate

£35,000 (6238)
£45,000 (4853)
£50,000 (4088)
£60,000 (2437)
£70,000 (1243)

Job Type

Permanent (2736)
Full-time (2491)
Contract (437)
Temporary (117)
Apprenticeship (49)
[more >](#)

Location

Home Counties (276)
Greater London (239)
Woking (97)
Slough (64)
Croydon (57)
[more >](#)

Company

re&m (355)
Goldman Sachs (217)
Client Server (153)
Linux Recruit (123)
McLaren (80)
[more >](#)

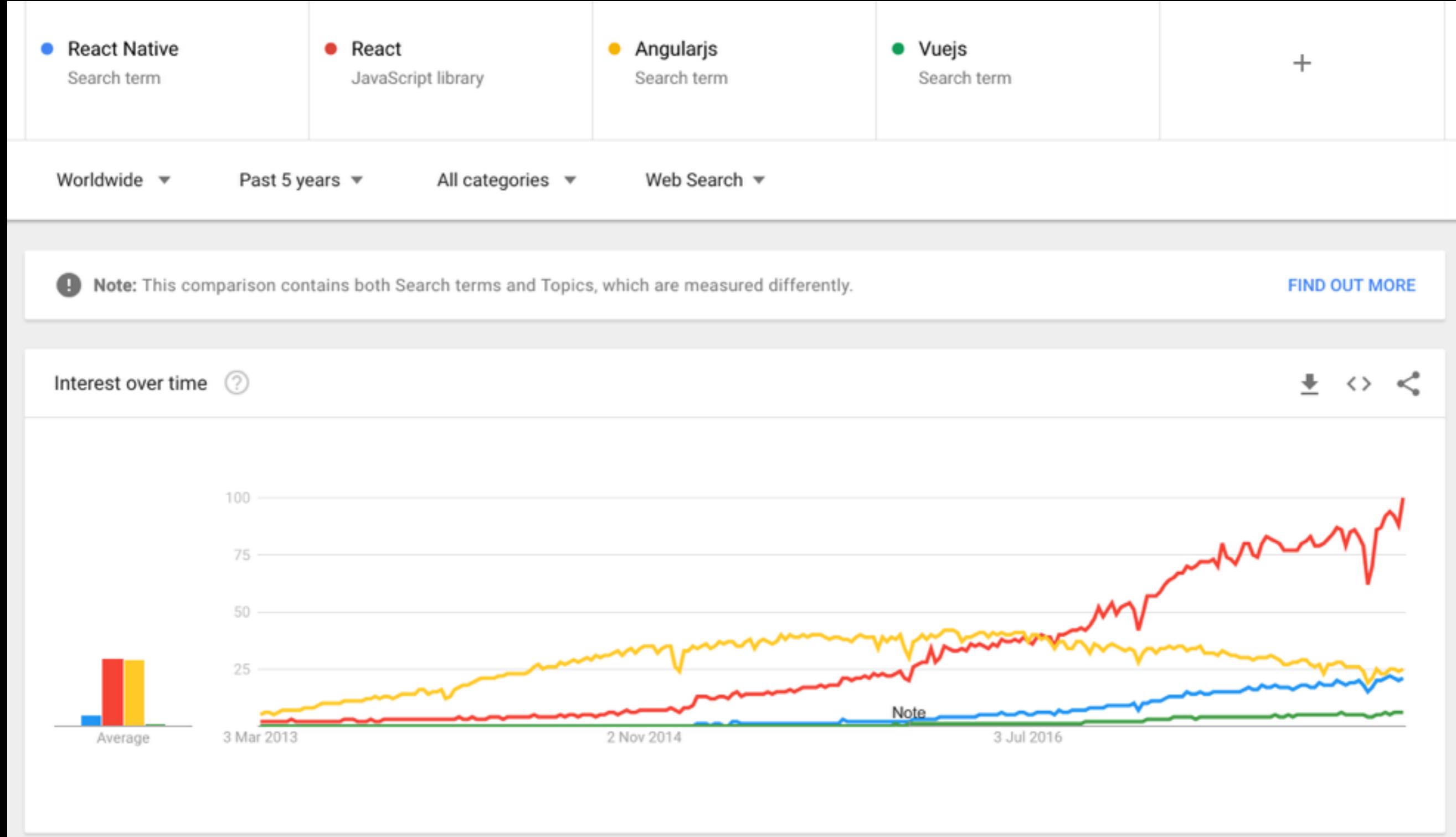
Title

Devop Engineer (105)
Senior Software Engineer (88)
Data Engineer (42)
Net Developer (35)
QA Engineer (35)
[more >](#)

Skills and requirements

- First and foremost: a pragmatic problem solver comfortable and experienced across the stack
- Solid experience with Ruby (3+ years)
- Solid experience with Javascript (3+ years)
- Large scale use of frameworks such as Ruby on Rails and Angular
- Architecting and building elegant RESTful API's - high scale
- Experience integrating with third party APIs (OAUTH, CLIs, HTTPS)
- Experience building reusable code and libraries for future use
- Experience with high performance, high availability and high scale applications
- Solid experience with relational databases (MySQL, Aurora), key-value stores (MongoDB, Memcache, Redis)
- Identify, design and implementation of data storage solutions
- Experience optimising for max speed and scalability
- Splitting out monoliths into microservices
- Experience with testing (TDD)
- Experience with monitoring and automation
- A care for the craft and a culture of growth, health and learning
- Fought your fair share of fires and have a tome of war stories :)

DO SOME RESEARCH



UPSKILL WITH ONLINE TRAINING

coursera



treehouse™

M Medium



PLURALSIGHT

 THE ODIN PROJECT

edX



Code School



YouTube

THE FREECODECAMP ADVENTURE STARTED

Quincy Larson
2 days ago · 4 min read

Tinkering Toward Simplicity

freeCodeCamp()

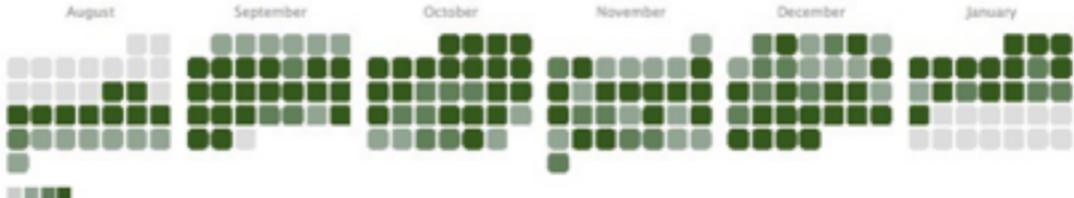
Map Chat News Wiki Jobs About Sign in

sonyamoisset's code portfolio



Sonya Moisset
Seoul
[868]



August September October November December January

Longest Streak: 119 days Current Streak: 119 days

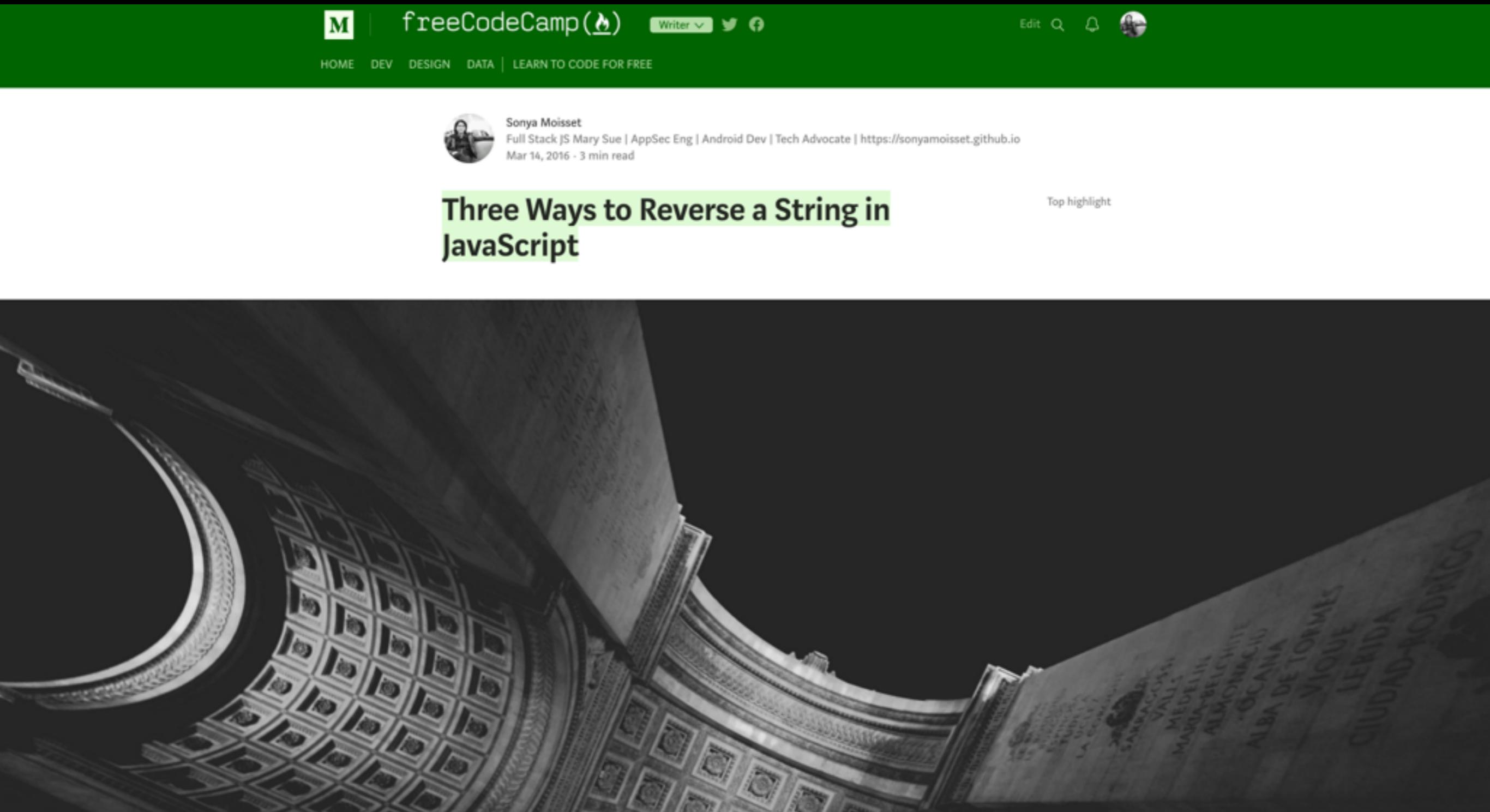
Projects	Completed	Link
Build a Random Quote Machine	Nov 27, 2015	View my project

Our new interface is flatter, higher-contrast, and does away with confusing community-specific terminology.

THE FREECODECAMP SEOUL CHAPTER



THE FREECODECAMP MEDIUM PUBLICATIONS



M | freeCodeCamp(🔥) Writer 🔍 🔔

HOME DEV DESIGN DATA | LEARN TO CODE FOR FREE

Sonya Moisset
Full Stack JS Mary Sue | AppSec Eng | Android Dev | Tech Advocate | <https://sonyamoisset.github.io>
Mar 14, 2016 - 3 min read

Three Ways to Reverse a String in JavaScript

Top highlight

THE FREECODECAMP MEDIUM PUBLICATIONS

40,941

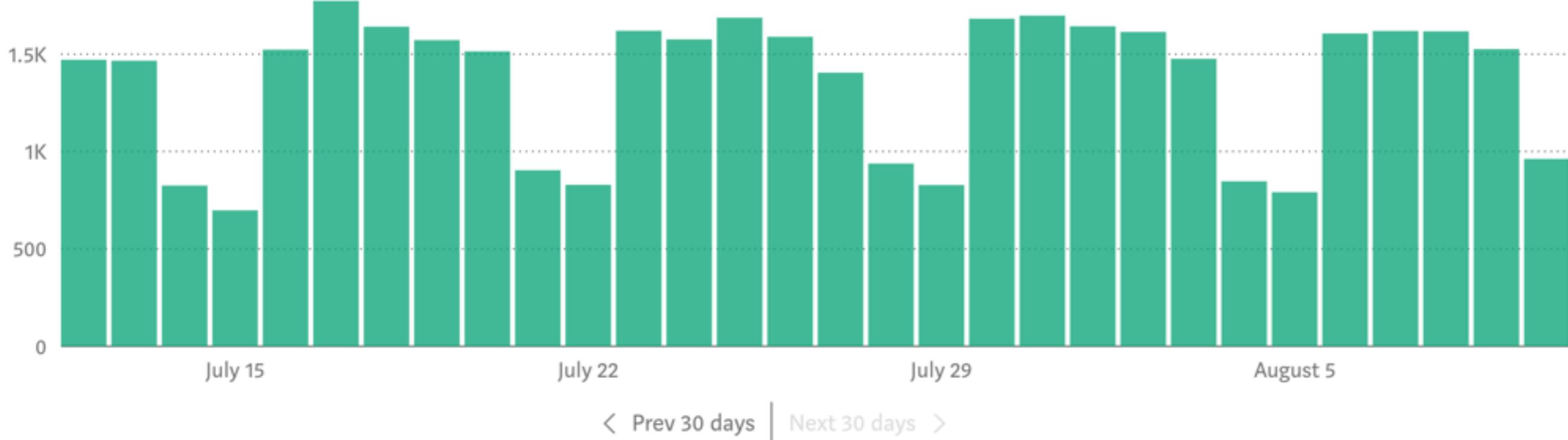
Views (30 days)

4,110

Reads (30 days)

74

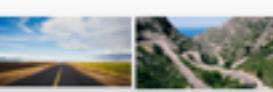
Fans (30 days)



THE FREECODECAMP TALKS



THE FREECODECAMP TALKS

<p>Branding & Time Management</p> <p>Work Smarter, Not Harder</p>  <p>Do you work too much? Are You here ready for more number of hours per day than you planned? Listen to this Q/A Session with Therese Johnson, and Alastair Brown - #100DaysOfCode</p>	 <p>Time Management Learning & Life Update</p> <p>Q/A Session</p>	<p>WHAT HOW WHY WHEN</p>	<p>Hobby vs. Career Switch</p>  <p>WHY</p>	 <p>It's easy! It's hard!</p> <p>Which road should I follow?</p> <p>There are no right answers. Here are some though.</p>	 <p>WHAT</p>	
<p>Manage Your Time</p>  <p>HOW</p>	<ul style="list-style-type: none">- BE FOCUS- INCREASE YOUR DESIRE TO GET THINGS DONE <p>TURN IT INTO HABITS</p>	<p>KEEP CALM WORK HARD AND DO NOT PROCRASTINATE</p>	 <p>BE CONSCIENTIOUS OF AMOUNT OF TV/INTERNET/CAMING TIME</p>	 <p>BE CONSCIENTIOUS OF AMOUNT OF TV/INTERNET/CAMING TIME</p>	<ul style="list-style-type: none">- The Bullet Journal- Todo list- Kanban Board <p>CREATE ORGANIZING SYSTEMS</p>	 <p>KANBAN BOARD</p>
<ul style="list-style-type: none">- Read books- Read articles- Watch videos <p>DO SOMETHING DURING WAITING TIME</p>	 <p>JS JS</p> <p>DO SOMETHING DURING WAITING TIME</p>	 <p>WATCH VIDEO AT 1.5 / 2x</p>	<p>FOLLOW YOUR PASSION →</p> <p>Enjoy</p> <p>THE MOST IMPORTANT THING</p>	<p>Take The Plunge</p>  <p>WHEN</p>	 <p>BRAND YOURSELF</p>	 <p>IMPROVE YOUR WEBSITE</p>
 <p>BE CONSISTENT AND PROFESSIONAL</p>	 <p>BLOG YOUR JOURNEY</p>	 <p>Q/A Session</p>	<p>FACEBOOK TWITTER LINKEDIN GITHUB CODEPEN</p> <p>@SONYAMOISSET</p>	 <p>THANK YOU =D</p>		

BRAND YOURSELF | THE IMPORTANCE OF HAVING A PORTFOLIO

SONYA MOISSET

ABOUT SKILLS PORTFOLIO EDUCATION BLOG CONTACT

BONJOUR I'M **SONYA MOISSET**

FULL STACK JAVASCRIPT MARY SUE

SEE MY WORK

HOME ABOUT SKILLS BACKGROUND BLOG WORK CONTACT

Sonya Moisset

Full Stack JavaScript Mary Sue & Tech Advocate

in

Intro

#StayCurious, #KeepOnHacking & #MakeItHappen

I'm Sonya Moisset.
I'm a lifelong traveler who lived in the Middle-East, North Africa and Asia and always looking for new challenges.
1996: Tunisia | 2002: France | 2006: Saudi Arabia | 2010: Singapore
2011: South Korea. Based in Seoul for 6 years, I learned Korean and worked as a Business Consultant and Full Stack Software Engineer.
2016: UK. Based in London, I am working as a Software Engineer for a FinTech company.
Technology and computer have been in my life since I was a kid and I have always loved anything related with arts or pixels. I started to code and design at a very young age. Most of my skills and knowledge are self-taught.

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Overview Repositories 240 Stars 1 Followers 346 Following 0

Pinned repositories

VendingMachine_iOS
iOS | Vending Machine
Swift

FunFact_KOTLIN
Kotlin | Fun Fact Generator
Kotlin

MovieApp_PhaseTwo_ADVANCED_ANDROID_NANODEGREE
Second Project for the Android Developer Nanodegree Program | Part II
Java 1

SaaSApp_RUBY-ON-RAILS
CI/CD CRUD Rails SaaS App Hosted on Heroku
Ruby 1

Team-Treehouse_Training
Team Treehouse Curriculum
Python 3 1

TechTalksPresentations_Ldn
Tech Talks Presentations

#StayCurious, #KeepOnHacking & #MakeItHappen
Give us feedback

Sonya Moisset
SonyaMoisset

WorldRemit
London, UK
sonya.moisset@gmail.com
sonyamoisset.github.io/

Edit

Contributions

1,159 contributions in the last year

Contribution settings ▾

2019

2018

2017

2016

2015

Learn how we count contributions.

@redbadger

Activity overview

Contributed to SonyaMoisset/Team-Treehous..., SonyaMoisset/Cake_BakingApp..., SonyaMoisset/Cryptocurrency... and 5 other repositories

Code review

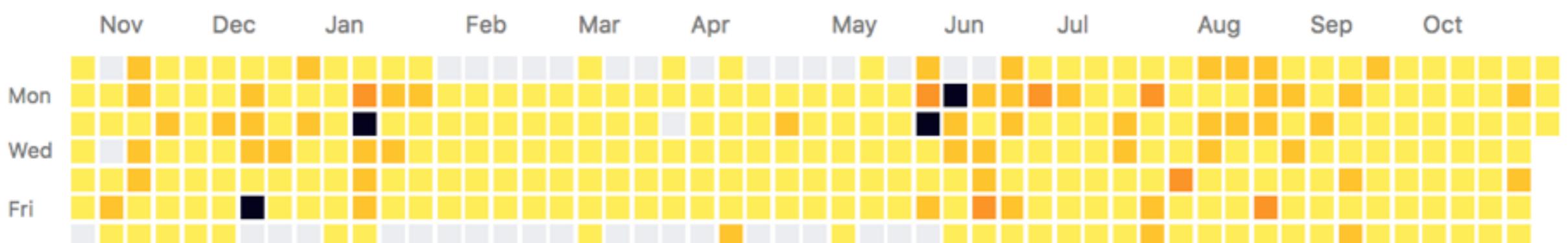
86% Commits 7% Issues
7% Pull requests

Mon Tue Wed Thu Fri Sat Sun

BRAND YOURSELF | THE IMPORTANCE OF GITHUB

3,448 contributions in the last year

Contribution settings ▾



Happy Halloween! [Learn how we count contributions.](#)

Less More

BRAND YOURSELF | THE IMPORTANCE OF GITHUB

README.md

NBA Highlights

A React web application where NBA highlights are fetched from a json file

To see the project:

- Clone/download it
- Use `npm install`
- Use `json-server --watch db.json --port 3884`

This application includes examples of major features of React including:

- ES6 syntax
- Templating string
- Destructuring assignment
- fetch API
- React Router
- Component-based architecture
- CSS Partial/Imports
- React Slider on homepage masthead
- React CSS Transitions
- Validations message for subscription emails
- Save data to DB
- Poll to choose best teams

Features

- A user can see NBA highlights
- A user can see a list of NBA teams
- A user can search for his/her favorite team
- A user can see a team profile
- Validation message for subscription emails



Subcribe to us

README.md

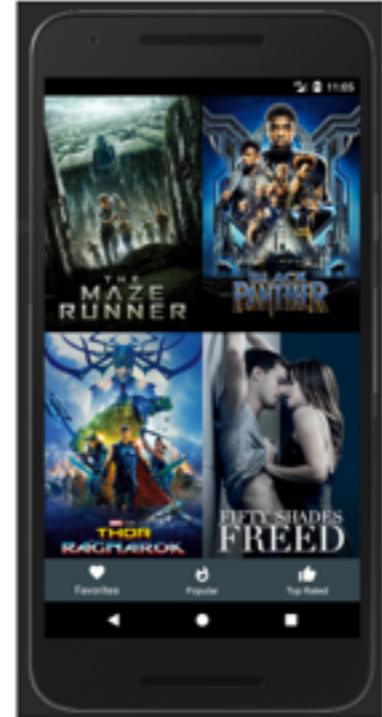
MovieApp | Part Two

codacy 4 vulnerabilities 0

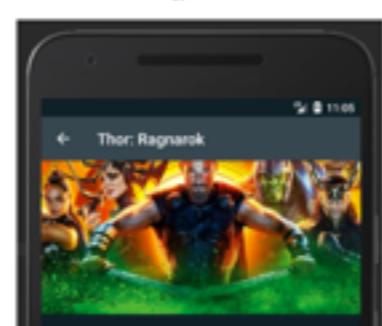
An app that allows users to discover popular and top rated movies.

Features

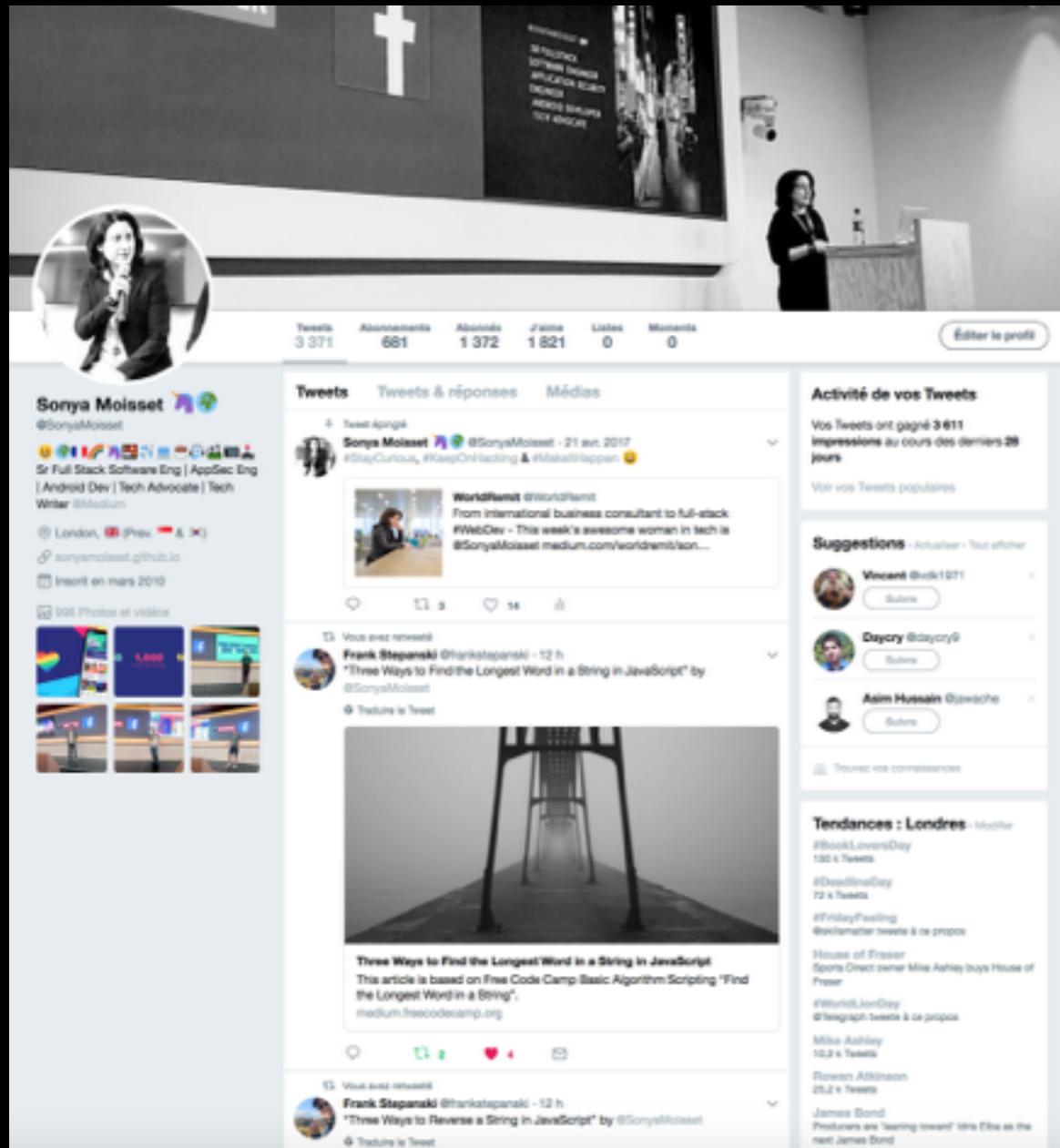
- On MainActivity, movies are displayed in a grid layout
- On MainActivity, the user can filter by popular, top rated or favorites



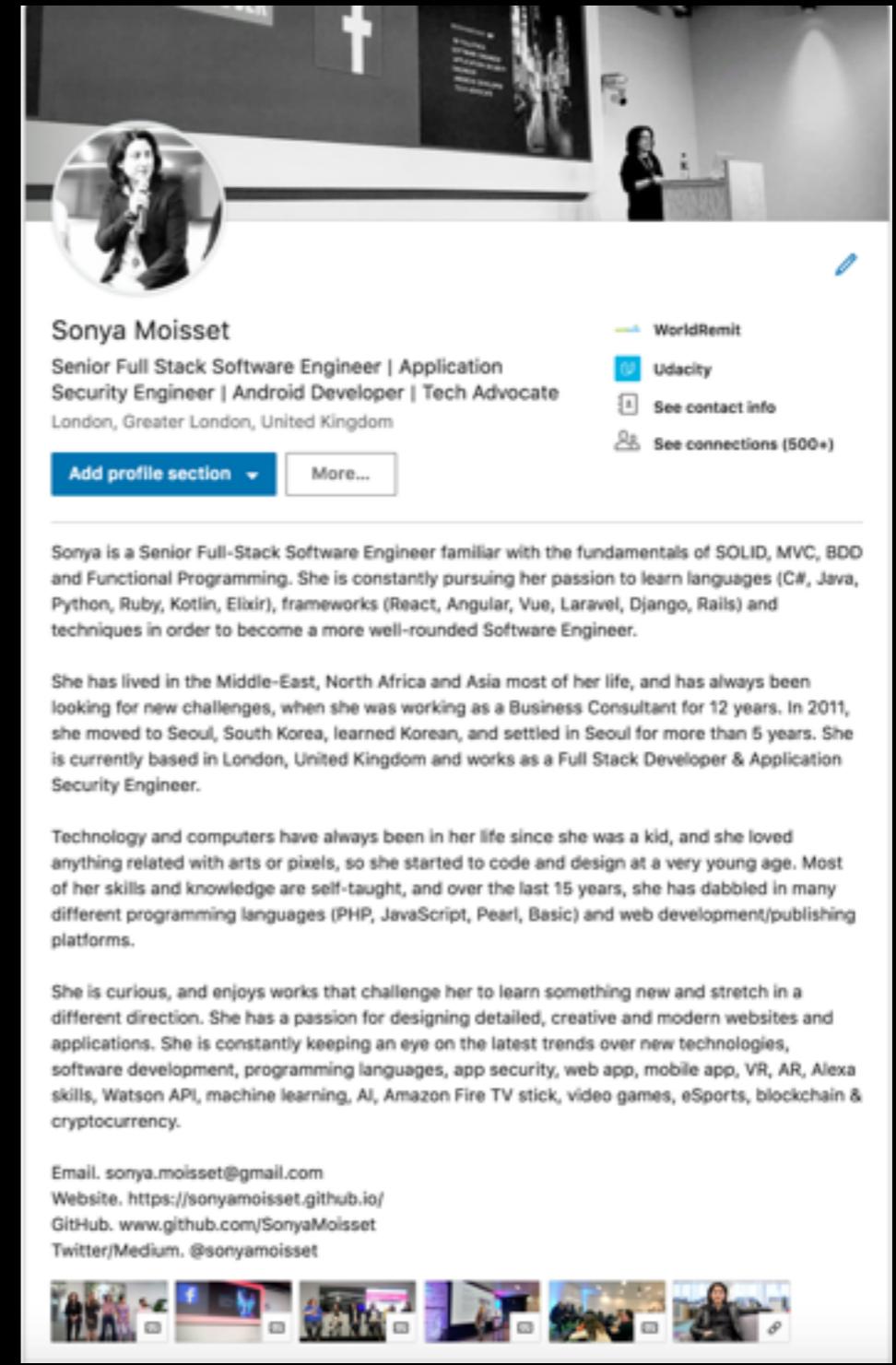
- On DetailActivity, the title, poster, release date, rating and synopsis are visible
- On DetailActivity, the trailers and reviews are visible
- On DetailActivity, the user can favorite a movie



BRAND YOURSELF | BE CONSISTENT AND PROFESSIONAL



Sonya Moisset (@SonyaMoisset) is a Senior Full Stack Software Engineer | Application Security Engineer | Android Developer | Tech Advocate based in London, Greater London, United Kingdom. She has 3,371 tweets, 681 followers, and 1,372 following. Her bio includes: Sr Full Stack Software Eng | AppSec Eng | Android Dev | Tech Advocate | Tech Writer | Medium. She is located in London, UK (Prev. & X). Her GitHub profile is sonyamoisset.github.io. She has 1,000 photos and videos. A recent tweet from WorldRemit (@WorldRemit) is shown: "From international business consultant to full-stack FWDev - this week's awesome women in tech is @SonyaMoisset medium.com/worldremit/son...". Another tweet from Frank Stepanski (@frankstepanski) is shown: "Three Ways to Find the Longest Word in a String in JavaScript" by @SonyaMoisset. A third tweet from Frank Stepanski (@frankstepanski) is shown: "Three Ways to Reverse a String in JavaScript" by @SonyaMoisset.



Sonya Moisset
Senior Full Stack Software Engineer | Application Security Engineer | Android Developer | Tech Advocate
London, Greater London, United Kingdom

Add profile section More...

Sonya is a Senior Full-Stack Software Engineer familiar with the fundamentals of SOLID, MVC, BDD and Functional Programming. She is constantly pursuing her passion to learn languages (C#, Java, Python, Ruby, Kotlin, Elixir), frameworks (React, Angular, Vue, Laravel, Django, Rails) and techniques in order to become a more well-rounded Software Engineer.

She has lived in the Middle-East, North Africa and Asia most of her life, and has always been looking for new challenges, when she was working as a Business Consultant for 12 years. In 2011, she moved to Seoul, South Korea, learned Korean, and settled in Seoul for more than 5 years. She is currently based in London, United Kingdom and works as a Full Stack Developer & Application Security Engineer.

Technology and computers have always been in her life since she was a kid, and she loved anything related with arts or pixels, so she started to code and design at a very young age. Most of her skills and knowledge are self-taught, and over the last 15 years, she has dabbled in many different programming languages (PHP, JavaScript, Pearl, Basic) and web development/publishing platforms.

She is curious, and enjoys works that challenge her to learn something new and stretch in a different direction. She has a passion for designing detailed, creative and modern websites and applications. She is constantly keeping an eye on the latest trends over new technologies, software development, programming languages, app security, web app, mobile app, VR, AR, Alexa skills, Watson API, machine learning, AI, Amazon Fire TV stick, video games, eSports, blockchain & cryptocurrency.

Email. sonya.moisset@gmail.com
Website. <https://sonyaamoisset.github.io/>
GitHub. www.github.com/SonyaMoisset
Twitter/Medium. @sonyaamoisset

BRAND YOURSELF | BE CONSISTENT AND PROFESSIONAL

Volunteer Experience

Tech Writer

Medium.com

2016 – Present • 2 yrs
Science and Technology

Write about technology and programming

1M+ views | 2.9k+ followers

Profile on Medium: <https://medium.com/@sonya.moisset>
Publication iDevIt: <https://medium.com/sonyamoisset>

Writer for FreeCodeCamp Publications (345k+ followers)

JavaScript Series

- Three Ways to Reverse a String in JavaScript
- Three Ways to Factorialize a Number in JavaScript
- Two Ways to Check for Palindromes in JavaScript
- Three Ways to Find the Longest Word in a String in JavaScript
- Three Ways to Title Case a Sentence in JavaScript
- Three Ways to Return Largest Numbers in Arrays in JavaScript
- Two ways to confirm the ending of a String in JavaScript
- Three ways to repeat a string in JavaScript



Open-source Software Author and Contributor

Github

2015 – Present • 3 yrs
Science and Technology

Write and improve open-source software on GitHub

6k+ contributions | 230+ repositories

Profile on GitHub: <https://github.com/SonyaMoisset>



Tech Advocate | Mentor | Local Leader

Free Code Camp

2015 – Present • 3 yrs
Education

FreeCodeCamp is an open source community that helps people to learn to code, then practice by building projects for nonprofits.

Hosted weekly FCC coding bootcamp in Seoul, South Korea (25+ people).

Organized tech events in my current company, WorldRemit, in London, United Kingdom

- Weekly Tech bootcamp (35+ people)
- Panel of Engineers | Q&A
- Workshops
- Masterclass



Pride in London

10 mos

DevSecOps | Security Engineer

Apr 2018 – Present • 10 mos
London, United Kingdom

Currently working as a volunteer on the new Pride in London website.

React Native Engineer

Apr 2018 – Jun 2018 • 3 mos
London, United Kingdom

I have been working with RedBadger as a volunteer on the Pride in London React Native Application.

More info on the app here. <https://lp.red-badger.com/why-react-native-was-the-solution-for-pride-in-londons-2018-app>

App is available on the Google Store and Apple Store.

Android. <https://play.google.com/store/apps/details?id=org.prideinlondon.festival> See less



Pride in London
React Native App



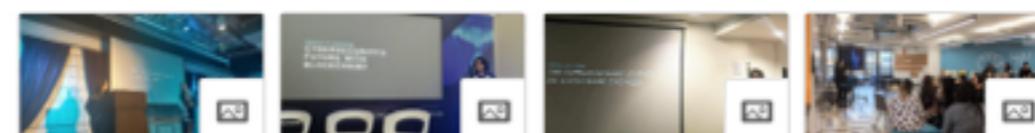
Metrics

Tech Advocate | Tech Speaker

Sep 2015 – Present • 3 yrs 5 mos

Seoul, London

I gave several tech talks on software programming and cybersecurity at Women Who Code, CODE:COED, PyLadies, BlockchainLive 2018, React London, Tech Women London, Tech(k)nowday, and Google Udacity



+5

I FOUND A JOB THROUGH LINKED

Screenshot of LinkedIn messaging interface showing an incoming message from Kiri O'Brien.

Kiri O'Brien Co-Founder & Managing Director at Druthers Search

Sat
Your profile and a potential new opportunity...
Hi Sonya,

I wanted to get in touch about an exciting new opportunity, with one of Europe's top start-ups (based in London), who are working on one of the most exciting projects anyone in tech could be involved with right now - i.e. building the bank of the future ;)

We're looking for talented front-end and back-end engineers with any programming background who are keen to work with a cutting edge tech stack including Go, React, Kubernetes, Docker and Cassandra.

If you're keen to be a part of an open, inclusive and collaborative team, involved in building a truly disruptive product that is used and by hundreds of thousands (soon to be millions!) of people literally every day, let's have a chat! If you could send over your number and a few times that could work for you to speak, we can discuss in more detail next week.

Have a great weekend!

Thanks,
Kiri

Kiri O'Brien
Co-Founder & Managing Director at Druthers Search

Start your reply by choosing one
Interested... > Maybe later... > No thanks... >

Write a message or attach a file

Press Enter to send ...

- | | |
|---|---|
|  Anthony Matthews Feb 20
Anthony: Dear Sonya, I hope you are well, you look like an... |  Ellen Davies Feb 8
InMail • AngularJS Developer Role - London - £70K |
|  Darcy McCartan Feb 20
InMail • Software Developer - Marketing Intelligence |  Tom Ladds Feb 8
InMail • Quick Question... |
|  Desiree Pompameo Feb 20
InMail • Front End Developer (Angular), Brussels |  Puneet Kumar Feb 7
Puneet: Hi again Sonya – hope you're having a good week s... |
|  Mohit Punjabi Feb 20
InMail • Potential new opportunities in Tokyo, Japan |  Przemyslaw Bober Feb 7
InMail • Computer vision based positioning system. |
|  Emily Fay Bridger Feb 19
InMail • C#/Javascript Developer London ... |  Aaron Crosbie Feb 7
InMail • Specific Market Opportunity - p. |
|  Mitch Hooper Feb 19
Mitch: Hi Sonya Thanks for linking in with me. I am... |  Jack Prior Feb 7
InMail • Front-end Developer - Fintech - Start-up - Up to... |
|  Nicholas Jackson Feb 19
InMail • Build the face of Cyber Security with BT |  Alex Inkester-Short Feb 6
InMail • Amazon Web Development Opportunity |
|  Al Brown Feb 19
InMail • Systems Security Engineer/Manager role |  Phillip Mosberg Feb 6
InMail • Front End Developer Job Opportunity |
|  Matt Brown Feb 6
InMail • Tech Consulting Workshop @ Google | |

TECH INTERVIEWS

- Phone screen
- Tech task
- Pair programming
- Interview with other stakeholders
- Final offer



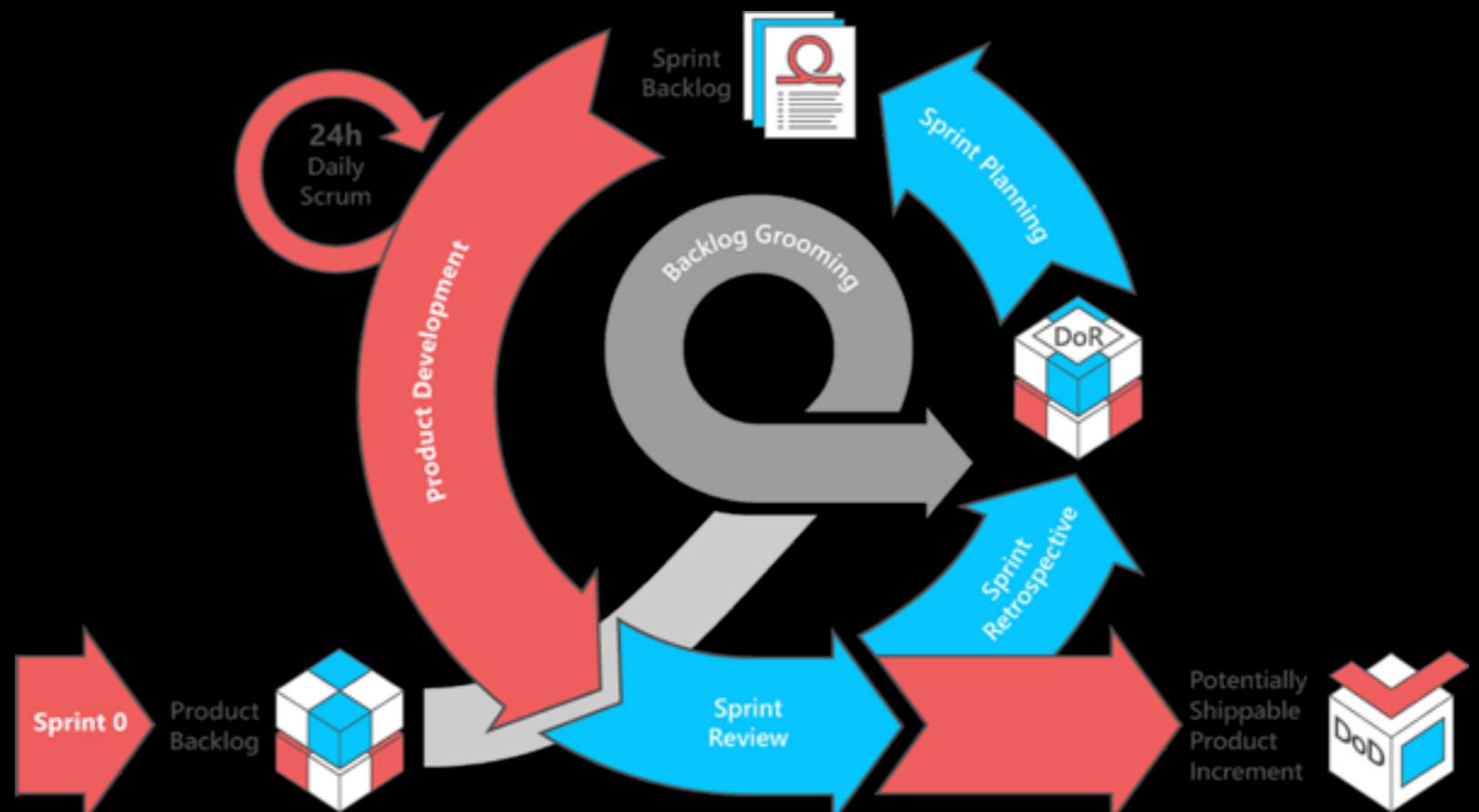
FIRST DAY/ WEEK AT WORK

- Office tour
- Induction
- Set up your machine
- Get to know you team/
colleagues
- Participate to your first
Scrum ceremonies
- Impostor syndrome



SCRUM CEREMONIES

- Product Backlog
- Backlog Grooming
- Sprint Planning
- Daily Stand Up
- Sprint Review
- Sprint Retrospective



JIRA BOARD

The image displays three main views of the Jira application:

- Left Panel (Backlog):** Shows the backlog with various filters like Product, UI, Server, Only My Issues, and Recently Updated. It lists Sprints 6 and 7, each containing multiple issues. For example, Sprint 6 includes tasks such as "TIS-4 Requesting available flights is now taking > 5 seconds" and "TIS-66 Add pointer to main.css file to instruct users to create child themes".
- Middle Panel (Issue Detail):** A detailed view of issue TIS-47, titled "Developer Toolbox does not display by default". It shows the issue key, summary, status (In Progress), and actions. The issue has a priority of 1 and is assigned to "Large Team Support". It includes a screenshot titled "Screenshot 2015-08-13 at 4:12:49 PM" and a sub-task section.
- Right Panel (Board View):** A Kanban board for the "Teams in Space" software project. The board is divided into four columns: TO DO, IN PROGRESS, CODE REVIEW, and DONE. Each column contains several items with their respective descriptions, assignees, and status indicators (e.g., checkmarks, red X's). The board also features a sidebar with navigation links like Backlog, Board, Reports, Releases, Components, Issues, Repository, Add item, and Settings.

WHAT IS CYBERSECURITY AND WHY IS IT IMPORTANT?

CYBERSECURITY OR INFORMATION TECHNOLOGY SECURITY ARE THE TECHNIQUES OF PROTECTING COMPUTERS, NETWORKS, PROGRAMS AND DATA FROM UNAUTHORISED ACCESS OR ATTACKS THAT ARE AIMED FOR EXPLOITATION

INVESTMENTS IN SECURITY
MOVED FROM NICE TO
HAVE TO MUST HAVE

OCT 2016. A SERIES OF DDOS ATTACKS
WERE LAUNCHED AGAINST DNS
SERVERS, WHICH CAUSED MAJOR WEB
SERVICES TO STOP WORKING (GITHUB,
SPOTIFY, PAYPAL, TWITTER...)



Search



No server is currently available to service your request.

Sorry about that. Please try refreshing and contact us if the problem persists.

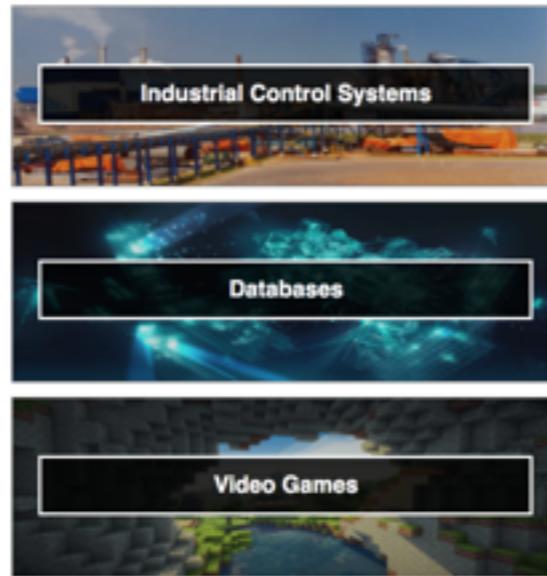
[Contact Support](#) — [GitHub Status](#) — [@githubstatus](#)



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Discover the Internet using search queries shared by other users.

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1,087	dreambox dreambox	2010-08-13

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Ooops, your files have been encrypted!

English



not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled.

Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

Payment will be raised on

1/4/1970 00:00:00

Time Left

00:00:00:00

Your files will be lost on

1/8/1970 00:00:00

Time Left

00:00:00:00

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>.

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am GMT from Monday to Friday.

Once the payment is checked, you can start decrypting your files immediately.

Contact

If you need our assistance, send a message by clicking <Contact Us>.

We strongly recommend you to not remove this software, and disable your anti-virus for a while, until you pay and the payment gets processed. If your anti-virus gets updated and removes this software automatically, it will not be able to recover your files even if you pay!



Send \$600 worth of bitcoin to this address:

Copy

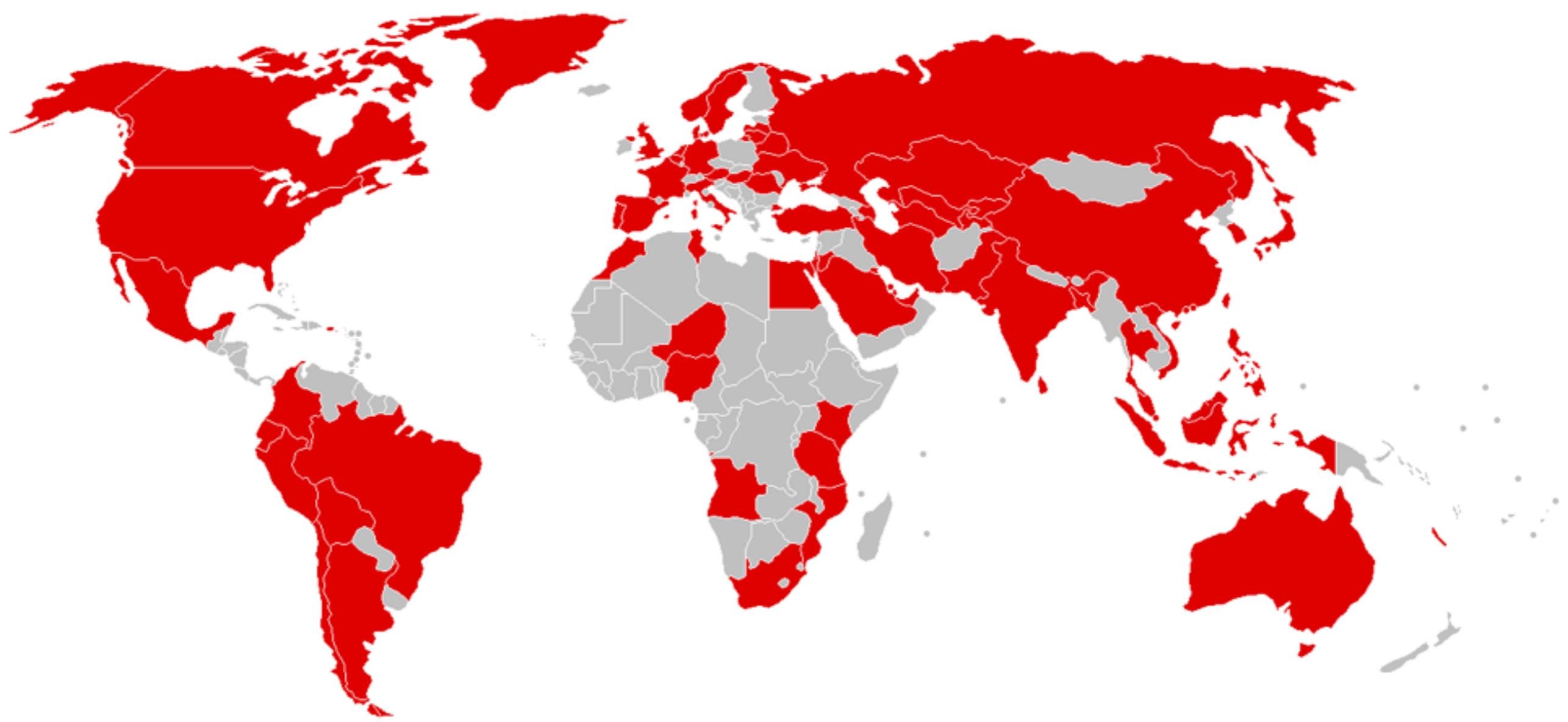
[About bitcoin](#)

[How to buy bitcoins?](#)

[Contact Us](#)

[Check Payment](#)

[Decrypt](#)



re: "██████████"

Inbox x



Dirk Saunders <yxpnmjarrettlwq@outlook.com>

12:07 PM (8 minutes ago)



to me ▾

I know, ██████, is your pass word. you may not know me and you are most likely thinking why you're getting this e-mail, correct?

Well, I installed a malware on the adult video clips (pornography) and you know what, you visited this web site to have fun (you know what I mean). When you were watching video clips, your browser started operating as a Rdp (Remote desktop) that has a key logger which gave me accessibility to your screen and also cam. Just after that, my software program gathered every one of your contacts from messenger, social networks, as well as email.

What exactly did I do?

I created a double-screen video. First part displays the video you were watching (you've got a good taste lol), and 2nd part displays the recording of your web cam.

Exactly what should you do?

Well, I believe, \$1200 is a fair price for our little secret. You'll make the payment through Bitcoin (if you don't know this, search "how to buy bitcoin" in google).

BTC ADDRESS: 1JC99fcQMVR4iHdmf3GbHLGHMkPpyFjBu7

(It's CASE sensitive, so copy and paste it carefully)

Note:

You have one day to make the payment. (I've a specific pixel in this message, and right now I know that you've read this e mail). If I do not receive the Bitcoins, I will certainly send out your video recording to all of your contacts including friends and family, colleagues, and so forth. nonetheless, if I receive the payment, I'll destroy the video immediately. If you need proof, reply with "yes!" and I definitely will send your video recording to your 14 friends. It is a non-negotiable one time offer, thus don't ruin my time & yours by responding to this e-mail.

';--have i been pwned?

Check if you have an account that has been compromised in a data breach

pwned?

Generate secure, unique passwords for every account

[Learn more at 1Password.com](#)[Why 1Password?](#)

314

pwned websites

5,555,329,164

pwned accounts

79,922

pastes

87,112,408

paste accounts

Largest breaches

- 711,477,622 [Onliner Spambot accounts](#)
- 593,427,119 [Exploit.In accounts](#)
- 457,962,538 [Anti Public Combo List accounts](#)
- 393,430,309 [River City Media Spam List accounts](#)
- 359,420,698 [MySpace accounts](#)
- 234,842,089 [NetEase accounts](#)
- 164,611,595 [LinkedIn accounts](#)
- 152,445,165 [Adobe accounts](#)
- 131,577,763 [Exactis accounts](#)
- 125,929,660 [Apollo accounts](#)

Recently added breaches

- 125,929,660 [Apollo accounts](#)
- 7,687,679 [Digimon accounts](#)
- 2,457,420 [SaverSpy accounts](#)
- 307,768 [Real Estate Mogul accounts](#)
- 3,472,916 [NemoWeb accounts](#)
- 41,826,763 [Kayo.moe Credential Stuffing List accounts](#)
- 182,717 [Russian America accounts](#)
- 110,355 [FreshMenu accounts](#)
- 287,071 [NapsGear accounts](#)
- 1,116,256 [Warmane accounts](#)

WEB APPLICATION SECURITY



“Web application security is a branch of Information Security that deals specifically with security of websites, web applications and web services.”

-WIKIPEDIA

OWASP

- Open Web Application Security Project
- Community dedicated to enabling organisations to conceive, develop, acquire, operate and maintain applications that can be trusted
- www.owasp.org





The OWASP Foundation

the free and open software security community

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OWASP Foundation Staff Announcement

September 3, 2018, was Laura Grau's last day at the OWASP Foundation. We wish her well and much success in her new position. We hope to fill the position sometime in the future.

Every vibrant technology marketplace needs an unbiased source of information on best practices as well as an active body advocating open standards. In the Application Security space, one of those groups is the Open Web Application Security Project (or OWASP for short).

The Open Web Application Security Project (OWASP) is a 501(c)(3) worldwide not-for-profit charitable organization focused on improving the security of software. Our mission is to make software security [visible](#), so that [individuals and organizations](#) are able to make informed decisions. OWASP is in a unique position to provide impartial, practical information about AppSec to individuals, corporations, universities, government agencies and other organizations worldwide. Operating as a community of like-minded professionals, OWASP issues software tools and knowledge-based documentation on application security.

Everyone is free to participate in OWASP and [all of our materials](#) are available under a free and open software license. You'll find everything [about OWASP](#) here on or linked from our wiki and current information on our [OWASP Blog](#). OWASP does not endorse or recommend commercial products or services, allowing our community to remain vendor neutral with the collective wisdom of the best minds in software security worldwide.



Citations



Who Trusts OWASP?

Citations of National & International Legislation, Standards, Guidelines, Committees and Industry Codes of Practice - [Click Here](#)



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- Cheat sheets on many common topics



OWASP
PRO **Active**
CONTROLS
FOR DEVELOPERS
2018 **v 3.0**

10 Critical Security Areas That Software Developers Must Be Aware Of

PROJECT LEADERS

KATY ANTON
JIM MANICO
JIM BIRD

The Top 10 Proactive Controls

The list is ordered by importance with list item number 1 being the most important:

- C1: [Define Security Requirements](#)
- C2: [Leverage Security Frameworks and Libraries](#)
- C3: [Secure Database Access](#)
- C4: [Encode and Escape Data](#)
- C5: [Validate All Inputs](#)
- C6: [Implement Digital Identity](#)
- C7: [Enforce Access Controls](#)
- C8: [Protect Data Everywhere](#)
- C9: [Implement Security Logging and Monitoring](#)
- C10: [Handle All Errors and Exceptions](#)

Detailed Verification Requirements

- V1. Architecture, design and threat modelling
- V2. Authentication
- V3. Session management
- V4. Access control
- V5. Malicious input handling
- V7. Cryptography at rest
- V8. Error handling and logging
- V9. Data protection
- V10. Communications
- V11. HTTP security configuration
- V13. Malicious controls
- V15. Business logic
- V16. File and resources
- V17. Mobile
- V18. Web services (NEW for 3.0)
- V19. Configuration (NEW for 3.0)

V1: Architecture, design and threat modelling

Control objective

Ensure that a verified application satisfies the following high level requirements:

- At level 1, components of the application are identified and have a reason for being in the app
- At level 2, the architecture has been defined and the code adheres to the architecture
- At level 3, the architecture and design is in place, in use, and effective

Note: This section has been re-introduced in version 3.0, but is essentially the same architectural controls as version 1.0 of the ASVS.

Requirements

#	Description	1	2	3	Since
1.1	Verify that all application components are identified and are known to be needed.	✓	✓	✓	1.0
1.2	Verify that all components, such as libraries, modules, and external systems, that are not part of the application but that the application relies on to operate are identified.	✓	✓		1.0
1.3	Verify that a high-level architecture for the application has been defined.	✓	✓		1.0
1.4	Verify that all application components are defined in terms of the business functions and/or security functions they provide.			✓	1.0
1.5	Verify that all components that are not part of the application but that the application relies on to operate are defined in terms of the functions, and/or security functions, they provide.			✓	1.0
1.6	Verify that a threat model for the target application has been produced and covers off risks associated with Spoofing, Tampering, Repudiation, Information Disclosure, Denial of Service, and Elevation of privilege (STRIDE).			✓	1.0



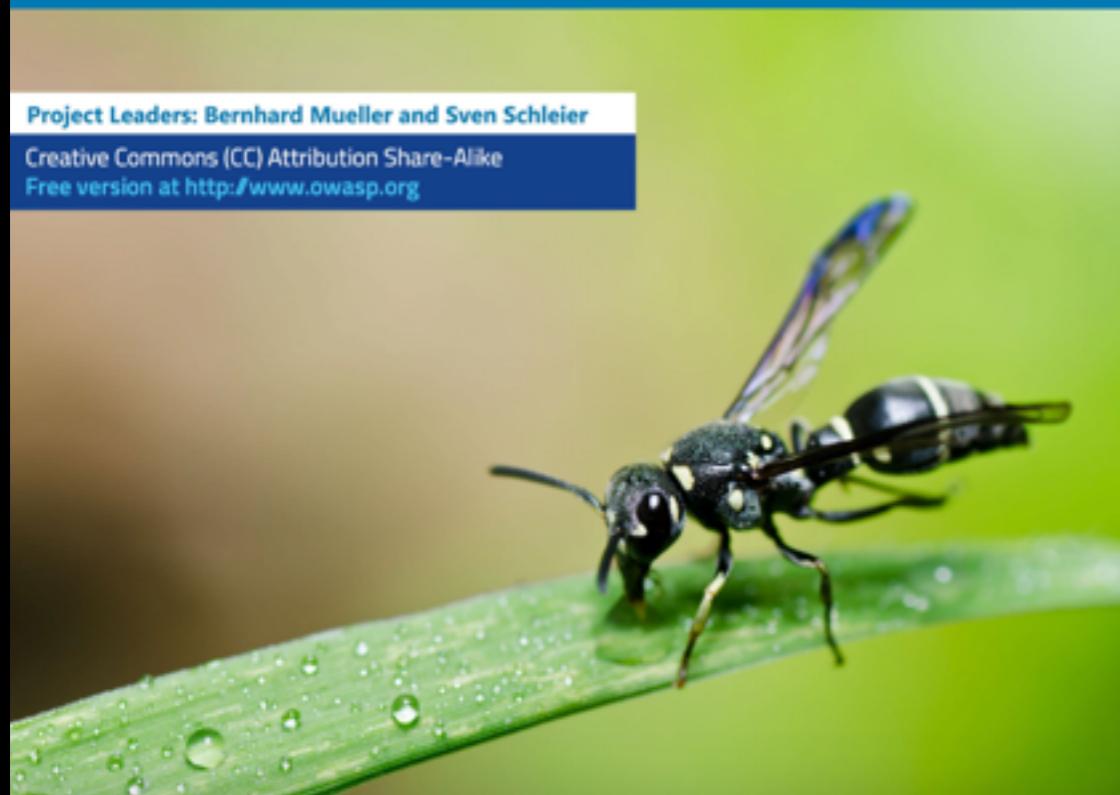
OWASP | Standard

Mobile AppSec Verification

Version 1.0

Project Leaders: Bernhard Mueller and Sven Schleier

Creative Commons (CC) Attribution Share-Alike
Free version at <http://www.owasp.org>



CODE
REVIEW
GUIDE

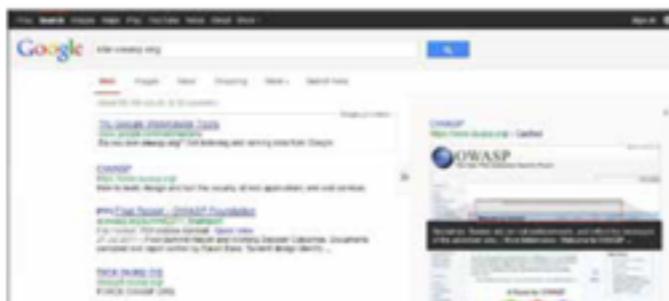
2.0

RELEASE



OWASP
Open Web Application
Security Project

Project leaders: Larry Conklin and Gary Robinson
Creative Commons (CC) Attribution
Free Version at: <https://www.owasp.org>



Google Hacking Database

The Google Hacking Database is a list of useful search queries for Google. Queries are put in several categories:

- Footholds
- Files containing usernames
- Sensitive Directories
- Web Server Detection
- Vulnerable Files
- Vulnerable Servers
- Error Messages
- Files containing juicy info
- Files containing passwords
- Sensitive Online Shopping Info

Tools

[4] **FoundStone SiteDigger:** <http://www.mcafee.com/uk/downloads/free-tools/sitedigger.aspx>

[5] **Google Hacker:** <http://yehg.net/lab/pr0js/files.php/googlehacker.zip>

[6] **Stach & Liu's Google Hacking Diggity Project:** <http://www.stach-liu.com/resources/tools/google-hacking-diggity-project/>

[7] **PunkSPIDER:** <http://punkspider.hyperiongray.com/>

References

Web

[1] "Google Basics: Learn how Google Discovers, Crawls, and Serves Web Pages" - <https://support.google.com/webmasters/answer/70897>

[2] "Operators and More Search Help": <https://support.google.com/websearch/answer/136861?hl=en>

[3] "Google Hacking Database": <http://www.exploit-db.com/google-dorks/>

Remediation

Carefully consider the sensitivity of design and configuration information before it is posted online.

Periodically review the sensitivity of existing design and configuration information that is posted online.

Fingerprint Web Server (OTG-INFO-002)

Summary

Web server fingerprinting is a critical task for the penetration tester. Knowing the version and type of a running web server allows testers to determine known vulnerabilities and the appropriate exploits to use during testing.

There are several different vendors and versions of web servers on the market today. Knowing the type of web server that is being tested significantly helps in the testing process and can also change the course of the test.

This information can be derived by sending the web server specific commands and analyzing the output, as each version of web server software may respond differently to these commands. By knowing how each type of web server responds to specific commands and keeping this information in a web server fingerprint database, a penetration tester can send these commands to the web server, analyze the response, and compare it to the database of known signatures. Please note that it usually takes several different commands to accurately identify the web server, as different versions may react similarly to the same command. Rarely do different versions react the same to all HTTP commands. So by sending several different commands, the tester can increase the accuracy of their guess.

Test Objectives

Find the version and type of a running web server to determine known vulnerabilities and the appropriate exploits to use during testing.

How to Test

Black Box testing

The simplest and most basic form of identifying a web server is to look at the Server field in the HTTP response header. Netcat is used in this experiment.

Consider the following HTTP Request-Response:

```
$ nc 202.41.76.251 80
HEAD / HTTP/1.0

HTTP/1.1 200 OK
Date: Mon, 16 Jun 2003 02:53:29 GMT
Server: Apache/1.3.3 (Unix) (Red Hat/Linux)
Last-Modified: Wed, 07 Oct 1998 11:18:14 GMT
ETag: "1813-49b-361b4df6"
Accept-Ranges: bytes
Content-Length: 1179
Connection: close
Content-Type: text/html
```

From the Server field, one can understand that the server is likely Apache, version 1.3.3, running on Linux operating system.

Four examples of the HTTP response headers are shown below.

From an Apache 1.3.23 server:

```
HTTP/1.1 200 OK
Date: Sun, 15 Jun 2003 17:10:49 GMT
Server: Apache/1.3.23
Last-Modified: Thu, 27 Feb 2003 03:48:19 GMT
ETag: 32417-c4-3e5d8a83
Accept-Ranges: bytes
Content-Length: 196
Connection: close
Content-Type: text/HTML
```

OWASP TOP 10-2017

- The primary aim is to educate developers, designers, architects, managers, and organisations about the consequences of the most common and most important web app security weaknesses



OWASP Top 10 - 2017

The Ten Most Critical Web Application Security Risks



WHAT CHANGED FROM 2013 TO 2017?

OWASP TOP 10

OWASP Top 10 - 2013	→	OWASP Top 10 - 2017
A1 – Injection	→	A1:2017-Injection
A2 – Broken Authentication and Session Management	→	A2:2017-Broken Authentication
A3 – Cross-Site Scripting (XSS)	↓	A3:2017-Sensitive Data Exposure
A4 – Insecure Direct Object References [Merged+A7]	U	A4:2017-XML External Entities (XXE) [NEW]
A5 – Security Misconfiguration	↓ →	A5:2017-Broken Access Control [Merged]
A6 – Sensitive Data Exposure	↗	A6:2017-Security Misconfiguration
A7 – Missing Function Level Access Contr [Merged+A4]	U	A7:2017-Cross-Site Scripting (XSS)
A8 – Cross-Site Request Forgery (CSRF)	X	A8:2017-Insecure Deserialization [NEW, Community]
A9 – Using Components with Known Vulnerabilities	→	A9:2017-Using Components with Known Vulnerabilities
A10 – Unvalidated Redirects and Forwards	X	A10:2017-Insufficient Logging&Monitoring [NEW,Comm.]

WHAT'S NEXT?

SECURITY CHAMPIONS



Security Champions playbook

Identify teams

- Enumerate products and services
- List teams per each product
- Identify Product manager (responsible for product) and team manager (working directly with developers)
- Write down technologies (programming languages) used by each team

Define the role

- Measure current security state among the teams and define security goals you plan to achieve in mid-term (e.g. by using OWASP SAMM)
- Identify the places where champions could help (such as verifying security reviews, raising issues for risks in existing code, conducting automated scans etc.)
- Write down clearly defined roles, as these will be the primary tasks for newly nominated champions to work on

Nominate champions

- Introduce the idea and role descriptions and get approvals on all levels - both from product and engineering managers, as well as from top management
- Together with team leader identify potentially interested candidates
- Officially nominate them as part of your security meta-team

Comm channels

- Make sure to have an easy way to spread information and get feedback
- While differing from company to company, this usually includes chats (Slack/IRC channel, Yammer group, ...) and separate mailing lists
- Set up periodic sync ups - bi-weekly should be fine to start with

Knowledge base

- Build a solid internal security knowledge base, which would become the main source of inspiration for the champions
- It should include security meta-team page with defined roles, secure development best practices, descriptions of risks and vulnerabilities and any other relevant info
- Pay special attention to clear and easy-to-follow checklists, as it's usually the simplest way to get the things going

Maintain interest

- Develop your ways or choose one of the below to keep in touch and maintain the interest of the champions
- Conduct periodic workshops and encourage participation in security conferences
- Share recent appsec news (e.g. Ezine) via communication channels
- Send internal monthly security newsletters with updates, plans and recognitions for the good work
- Create champions corner with security library, conference calendar, and other interesting materials

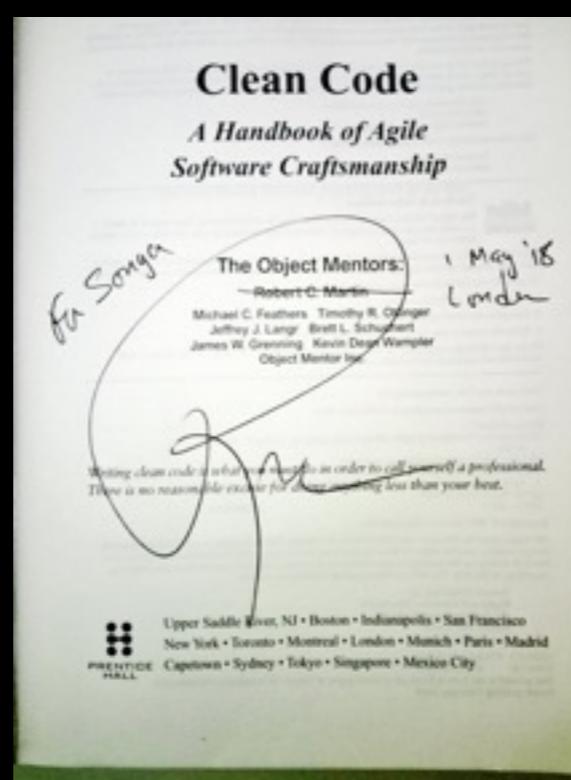
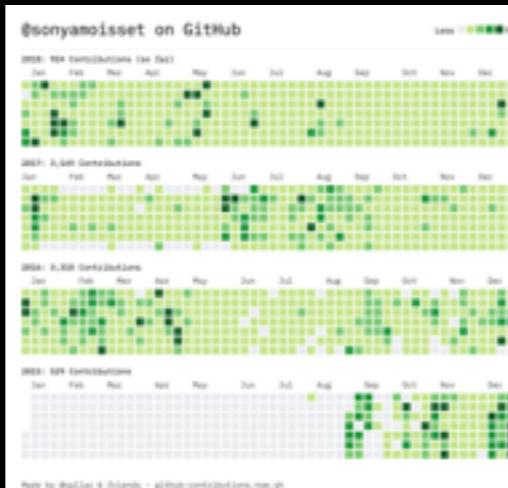
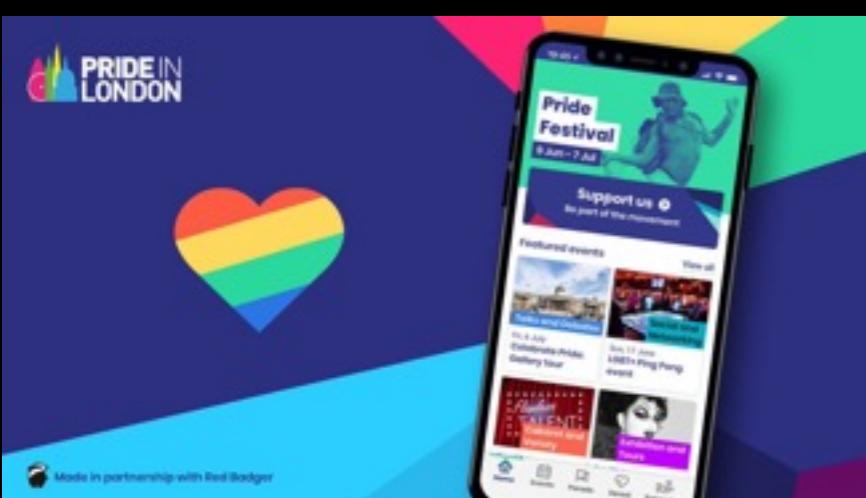
KEEP CHALLENGING YOURSELVES



Announcing Our freeCodeCamp 2018 Top Contributor Award Winners

Over the past 3 years, freeCodeCamp.org has grown from a small open source project into a global community of millions of developers.

medium.freecodecamp.org



KEEP WORKING ON YOUR BRAND AND SKILLS

- Attends meet ups
- Get involved in the Tech community!
- Keep learning new things
- Soft skills are important!
- Be positive
- Sharing is caring :)



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STAY CURIOUS, KEEP ON HACKING & MAKE IT HAPPEN!

