Future of Web Development Technology

Demo teaching

Steven "Steven"

16 November 2016

BINUS INTERNATIONAL

Some basic rules

- Questions, for this specific session, should be put on hold until the end of presentation
- All slides and materials are available at github (goo.gl/Lb2VQQ) (Corrections to them are encouraged)

Quick introduction

Steven "Steven"

Graduated from The University of Edinburgh (2016), Binus International (2012)

Professionally worked on:

- stamps.co.id (Everything)
- go-jek.com (iOS alpha)
- setipe.com (iOS)
- anomalicoffee.com (iOS, Web backend)
- fotostruk.com (Upcoming)

Github profile: https://github.com/SeiryuZ

Anything related to developing a web site for the internet or intranet.

Anything related to developing a web site for the internet or intranet.

Typically, web development is divided into two:

Anything related to developing a web site for the internet or intranet.

Typically, web development is divided into two:

 Back-end, Development of application on the server-side that accept requests from the user, and produce the correct output (Python, Ruby, Java,)

3

Anything related to developing a web site for the internet or intranet.

Typically, web development is divided into two:

- Back-end, Development of application on the server-side that accept requests from the user, and produce the correct output (Python, Ruby, Java,)
- Front-end, Development of client-side application that allows user to interact with the web-site directly. (CSS, HTML, JS)

Anything related to developing a web site for the internet or intranet.

Typically, web development is divided into two:

- Back-end, Development of application on the server-side that accept requests from the user, and produce the correct output (Python, Ruby, Java,)
- Front-end, Development of client-side application that allows user to interact with the web-site directly. (CSS, HTML, JS)
- Think of Back-end as house builder and Front-end as Interior design when you build a house

 $^{^{1}} http://www.internet live stats.com/internet-users/\\$

Q: We can develop application for users' device "easily", why bother with web development?

Internet user is almost half of Earth's population (3,4b/46% as of 1 June 2016)¹

¹http://www.internetlivestats.com/internet-users/

- Internet user is almost half of Earth's population (3,4b/46% as of 1 June 2016)¹
 - around 20% of Indonesia population are connected to Internet (50m in 2016¹)

¹http://www.internetlivestats.com/internet-users/

- Internet user is almost half of Earth's population (3,4b/46% as of 1 June 2016)¹
 - around 20% of Indonesia population are connected to Internet (50m in 2016¹)
- Arguably, web have smaller permutation of end-user run time environments (Web browser, Web Client).

¹http://www.internetlivestats.com/internet-users/

- Internet user is almost half of Earth's population (3,4b/46% as of 1 June 2016)¹
 - around 20% of Indonesia population are connected to Internet (50m in 2016¹)
- Arguably, web have smaller permutation of end-user run time environments (Web browser, Web Client).
- Offloading computations to much powerful, and potentially infinite resources (Cloud computing)

¹http://www.internetlivestats.com/internet-users/

- Internet user is almost half of Earth's population (3,4b/46% as of 1 June 2016)¹
 - around 20% of Indonesia population are connected to Internet (50m in 2016¹)
- Arguably, web have smaller permutation of end-user run time environments (Web browser, Web Client).
- Offloading computations to much powerful, and potentially infinite resources (Cloud computing)
- Huge number of open source software that can be used for your project

¹http://www.internetlivestats.com/internet-users/

Backend:

• Backend: Deploying web application

- Backend: Deploying web application
- Future of Backend ?

- Backend: Deploying web application
- Future of Backend ?

- Backend: Deploying web application
- Future of Backend ? Containerization (Docker / LXC)

Frontend

• Frontend: Web development standard

- Frontend: Web development standard
- Future of frontend ?

- Frontend: Web development standard
- Future of frontend ?

- Frontend: Web development standard
- Future of frontend ? Sane web standard (js.foundation)

- Frontend: Web development standard
- Future of frontend? Sane web standard (js.foundation)

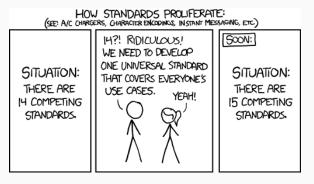


Figure 1: xkcd.com