Future of Web Development Technology

Demo teaching

Steven "Steven"

16 November 2016

BINUS INTERNATIONAL

Some basic rules

- Phone should be silent at all time
- Laptop is okay
- 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

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- Think of Back-end as house builder and Front-end as Interior design when you build a house

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- Huge number of open source software that can be used

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- Backend: Deploying web application
- Frontend: Web development standard

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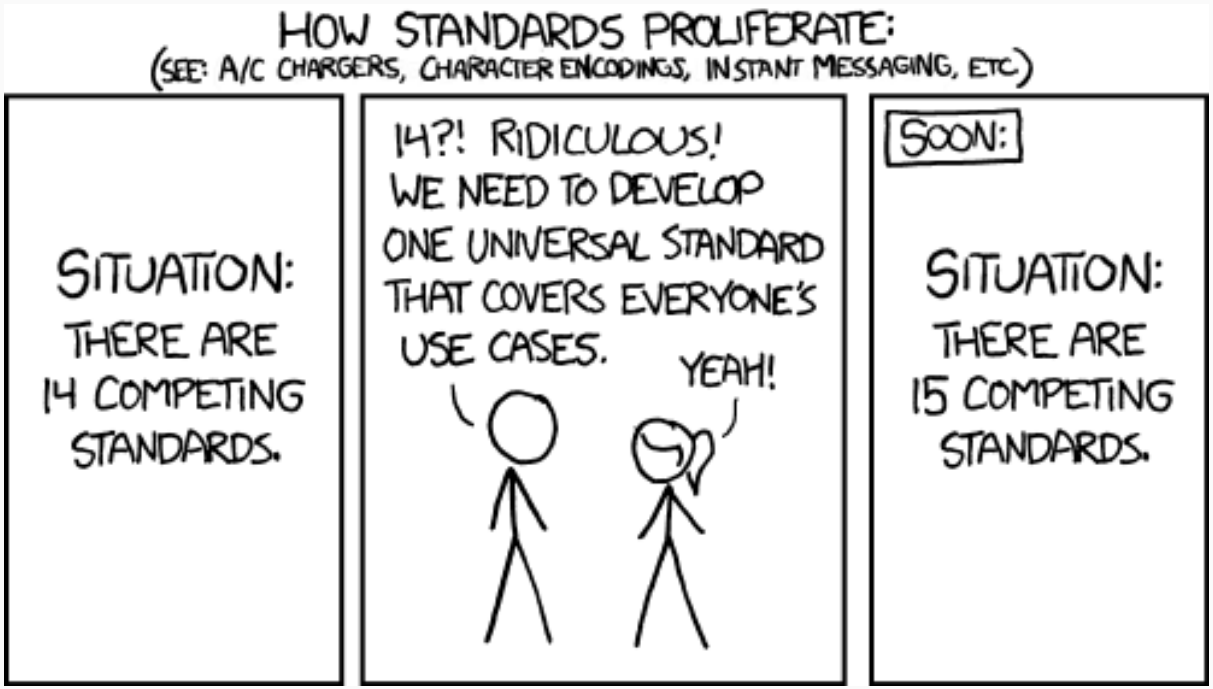

Figure 1: xkcd.com

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Future of Web Development Technology - Containerization

Complex backend development requires huge number of inter-dependent technologies to run correctly. For example, database system, application server, file server, web server, cache service, data structure service and queue systems.

More concrete, stamps.co.id backend requires more than 50 libraries and technologies to run correctly. All of these libraries needs to be configured correctly for the web service to run.

In addition to that, correctly configuring all of these for multiple servers (Usually, web services have multiple hosts containing different services) are time consuming and error-prone, even with some automation.

Containerization aims to solve this by allowing developers to package everything inside a containers. And target hosts, your server, only need to be able to run your containers. These

Future of Web Development Technology - Web development standard

JS Foundation, under The Linux Foundation, are pushing a new set of standards for web development, specifically on the Javascript ecosystem. The foundation is "blessing" some of the most important projects that open web development relies on.

This move hopes to settle the debate on what tools to use, and help the community get organized in contributing towards the "blessed" projects. In the future, front-end web development might have better tools and universally agreed standards to make it easier to do development.