

# Front-end Web Development





# Agenda

---

- Introduction
- Web Development
- Front-end Web Developer Roadmap
- Learning Resources/Recommendations
- HTML, CSS, JavaScript
- Web Publishing
- Demo and Challenge
- Bonus

---

1

# Introduction

---

# Hello!

*I am **Đĩnh Nguyễn***

- Interests in Project Management, Business Analysis, Coding, Badminton, Food, Travel.
- I am here because I love to give presentations.

***Your turn:** Introduce Yourself*

Your name?, your interest?, and why are you here?



## Did you know?

<https://youtu.be/TwtS6Jy3ll8>



# 30 billion

The number of internet devices

# 5.9 billion

The number of search on Google every day

# 67%

Millennials say they can find a Youtube video on anything they want to learn



---

2

# Web Development

---

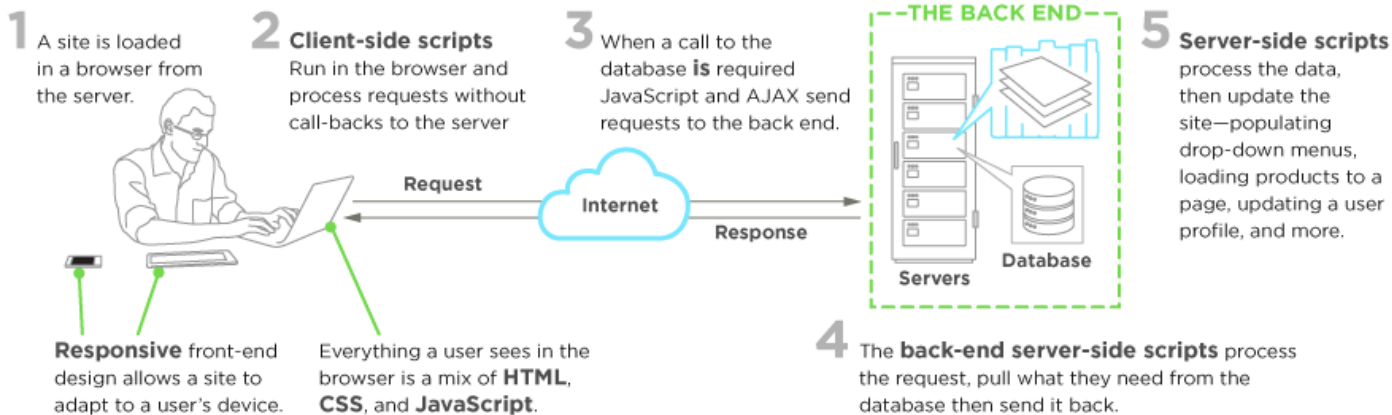


# Web Development

Front-end  
Development

Back-end  
Development

Full-stack  
Development







## Front-end Job Description

### Requirements

- Thành thạo HTML, CSS, Bootstrap và JavaScript.
- Nắm rõ quá trình phát triển web (thiết kế, phát triển và thực thi)
  - Có kiến thức cơ bản về UX/UI
  - Framework (React, Angular, Vue)

### Description

Xây dựng giao diện cho các chức năng của website.

Phối hợp các bên liên quan xây dựng UI/UX

Đảm bảo độ tương thích giao diện trên các thiết bị khác nhau

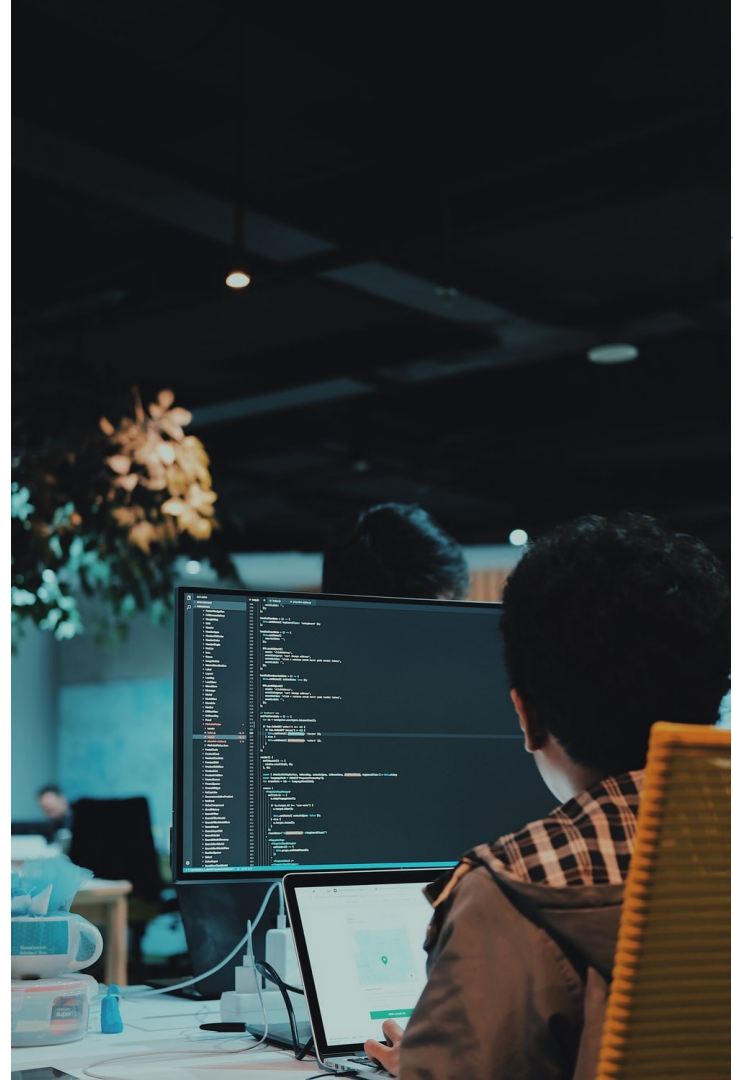
More info on some front-end job description at <https://www.google.com.vn/search?q=mô+tả+công+việc+front-end+web+developer>



# Back-end and Full-stack Developer?

Back-end Developer

Full-stack Developer





# Web Developer Survey

Which one of these roles are you most interested in?

6696 out of 15624 people answered this question



Image source: <https://medium.freecodecamp.com/we-asked-15-000-people-who-they-are-and-how-theyre-learning-to-code-4104e29b2781-ngcpn8nlz>



# Web Developer Survey (cont.)



## Developer Roles

### Developer Type

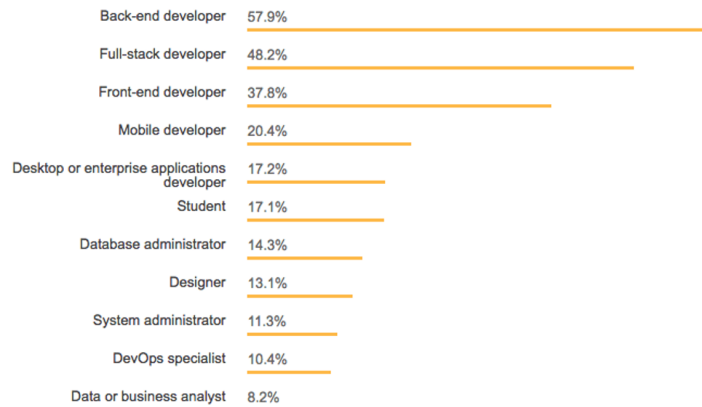


Image source: <https://insights.stackoverflow.com/survey/2019/-/developer-roles>

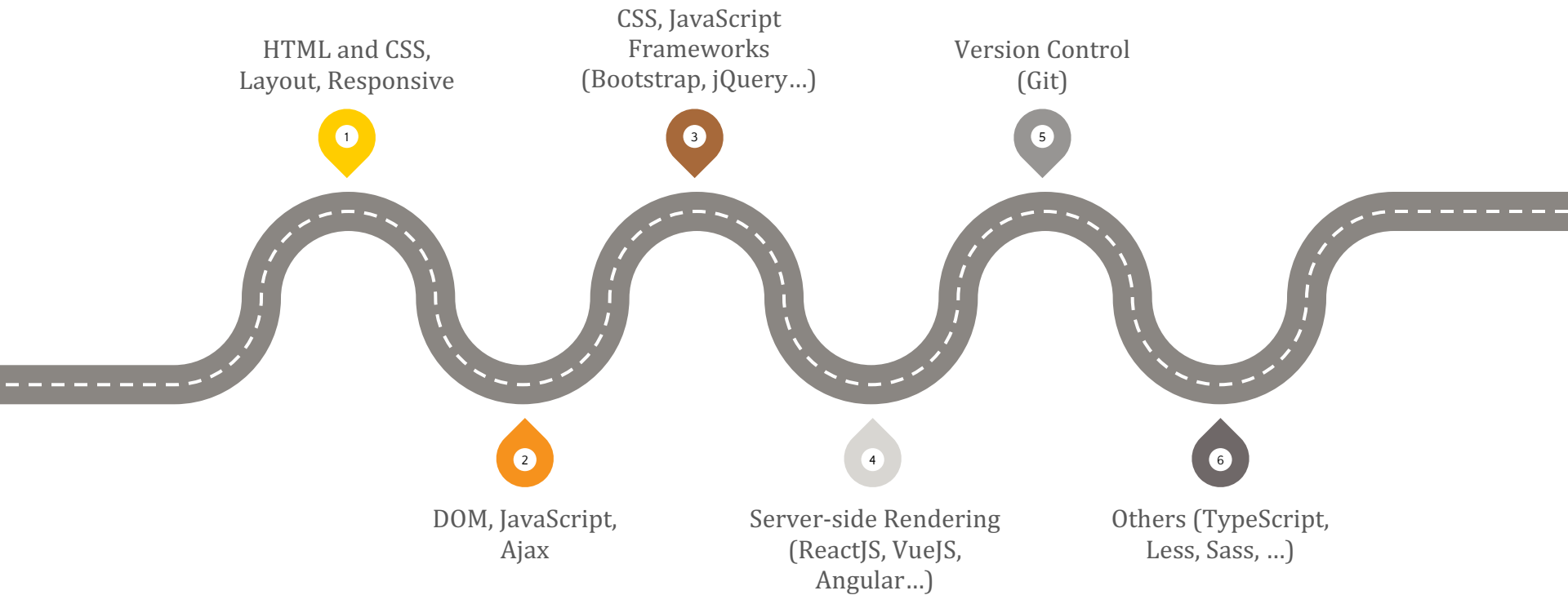
3

# Front-end Web Development Roadmap

---



# Developer Roadmap





# Front-end Web Developer Salaries

## MỨC LƯƠNG LẬP TRÌNH VIÊN @VỊ TRÍ

2021 VIETNAM IT MARKET REPORT  
Developers Recruitment State

### MỨC LƯƠNG LẬP TRÌNH VIÊN THEO VỊ TRÍ

Tech Manangement (CTO, CIO)	\$5.776	Scrum Master	\$1.927	Game Developer	\$1.215
Technical Director/Engineering Manager	\$4.165	Project Manager	\$1.820	iOS Developer	\$1.190
Solutions Architect	\$4.069	Data Engineer	\$1.737	Android Developer	\$1.125
Technical Architect	\$3.959	Cybersecurity Engineer	\$1.736	Product Manager	\$1.001
IT Manager	\$3.768	Embedded Developer	\$1.715	IT Business Analyst	\$966
Cloud Architect	\$3.121	Database Developer	\$1.701	UX/UI Designer	\$917
Machine Learning/AI Engineer	\$3.054	Big Data Engineer	\$1.695	Frontend Developer	\$912
Bridge System Engineer	\$2.234	Fullstack Developer	\$1.348	QA/ QC	\$706
DevOps Engineer	\$2.057	System Administrator	\$1.338	Tester	\$508
Data Scientist	\$2.032	Backend Developer	\$1.300	Technical Support	\$362
				IT Helpdesk	\$322

Image source: [https://topdev.vn/TopDev\\_VietnamITMarketReport\\_DRS\\_2021.pdf](https://topdev.vn/TopDev_VietnamITMarketReport_DRS_2021.pdf)

4

## Learning Resources/Recom mendations





## Learning Resources

### **My Graduation Speech:**

**I would like to thank..**



**The Internet, Google,  
Wikipedia, Microsoft Word  
and whoever invented  
copy and paste. Thank you.**



# Learning Resources

## Self Directed Resources

Internet, Google, Youtube, Book

## Instructor Directed Resources

Offline, MOOC (Udemy, Coursera,  
LinkedIn Learning), Intern

(Demo)



---

5

# HTML, CSS and JavaScript

---



# Front-end Rendering

Front-end  
= HTML +  
CSS +  
JavaScript

[Web Development \(slideshare.net\)](https://www.slideshare.net)

## HTML

To structure web pages

## CSS

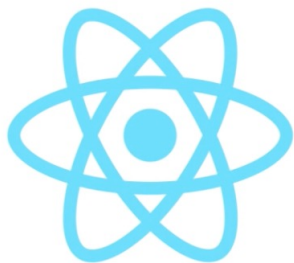
To make them beautiful

## JavaScript

To program them



## Back-end Rendering



**REACT**



**ANGULAR**



**VUE**

---

**6**

# **Web Publishing**

---



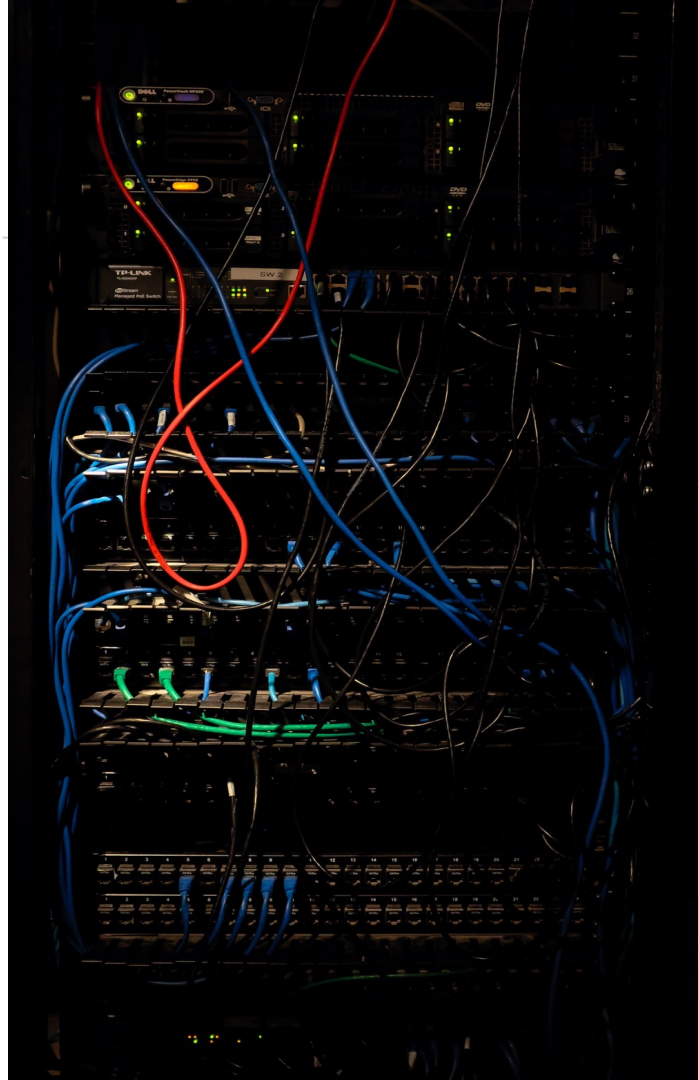
## Domain, Hosting

### Static web hosting

- github, aws s3, dropbox, ...

### Dynamic web hosting

- 000webhostapp, Heroku, ...



---

7

## Demo and Challenge

---





# Code Editor Tools



## Development Environments and Tools

### Most Popular Development Environments

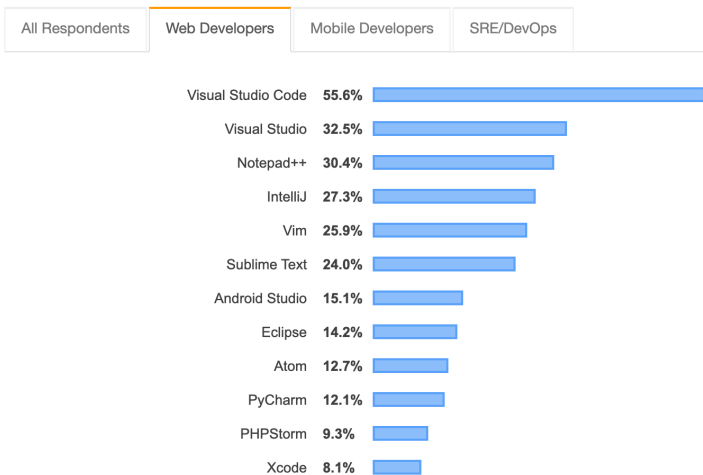
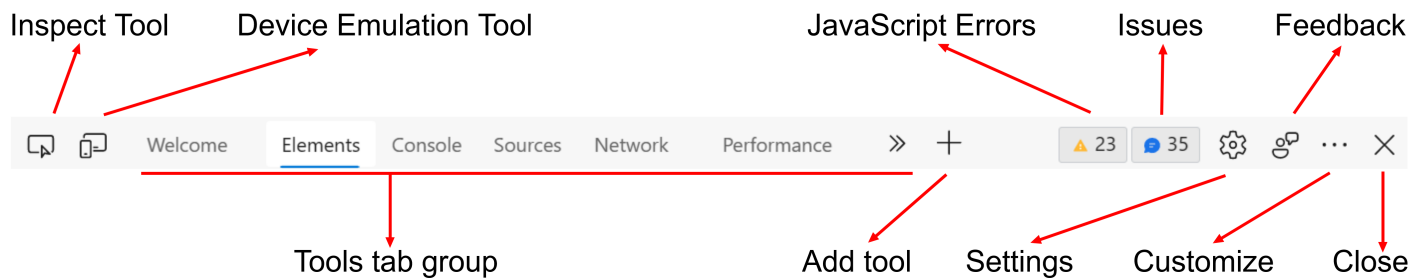


Image source: <https://insights.stackoverflow.com/survey/2019/-development-environments-and-tools>

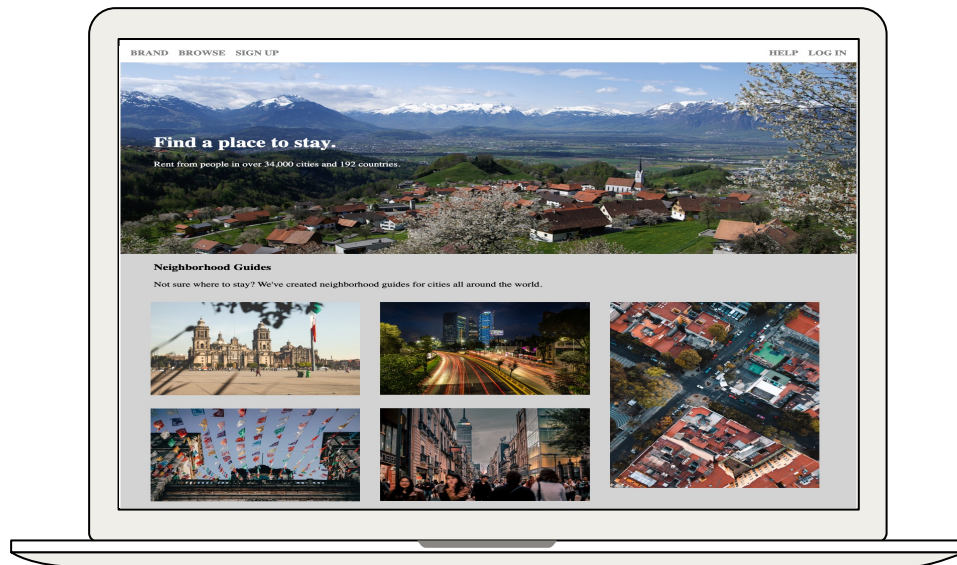
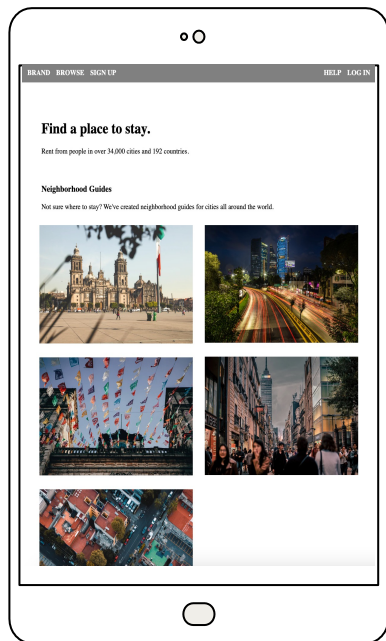


# Browser Developer Tools





# Challenge



---

7

## Kahoot Game

<https://kahoot.it>



# Thanks!

*Any questions ?*