

Front-end  
A-1



There is no place like  
127.0.0.1

## Horizon Academy of Professional Training Course materials

For obtaining the A level degree Front-end web developer.

# Introduction & setting up env.

Difficulty : ★☆☆☆☆

Trainer: Malek BOUBAKRI

Session : N°1  
Content : Practical, Theoretical  
Duration : 2 hours

# Plan

## **1. Introduction**

- a. Training framework,
- b. Why Front-end?

## **2. Establishment of dev. environment**

- a. Choice and installation of IDE,
- b. Choice and installation of tools,

# 1. Introduction

2. Establishment of environment

# 1. Introduction

- a. Training framework,
- b. Why Front-end?

# 1. Introduction

2. Establishment of environment

## a. Training Framework

b. Why Front-end?

## Training program:

### A. Front-end developer: Elementary (Level A)

1. Introduction & setting up dev. environment,
2. How the Magic of the Web Works,
3. HTML, CSS, and JavaScript: The Big Picture,
  - a. HTML Fundamentals,
  - b. Introduction to CSS,
  - c. Bootstrap introduction, (optional)
  - d. JavaScript Fundamentals.
4. How Git Works,
5. Linters & code quality standards, (optional)

### B. Front-end developer: Intermediate (Level B)

### C. Front-end developer: Advanced (Level C)

# 1. Introduction

2. Establishment of environment

## a. Training Framework

b. Why Front-end?

## Training objectives:

- Reflect and design modern websites,
- Be comfortable with specialized tools,
- Code, build and test websites,
- Better understand HMI standards and ergonomics laws,
- Better understand the phenomenon of web and its execution.

## More:

- Have the necessary professional qualities to be integrated into an IT company by means of the offered internship,
- Have the research spirit and access to information.

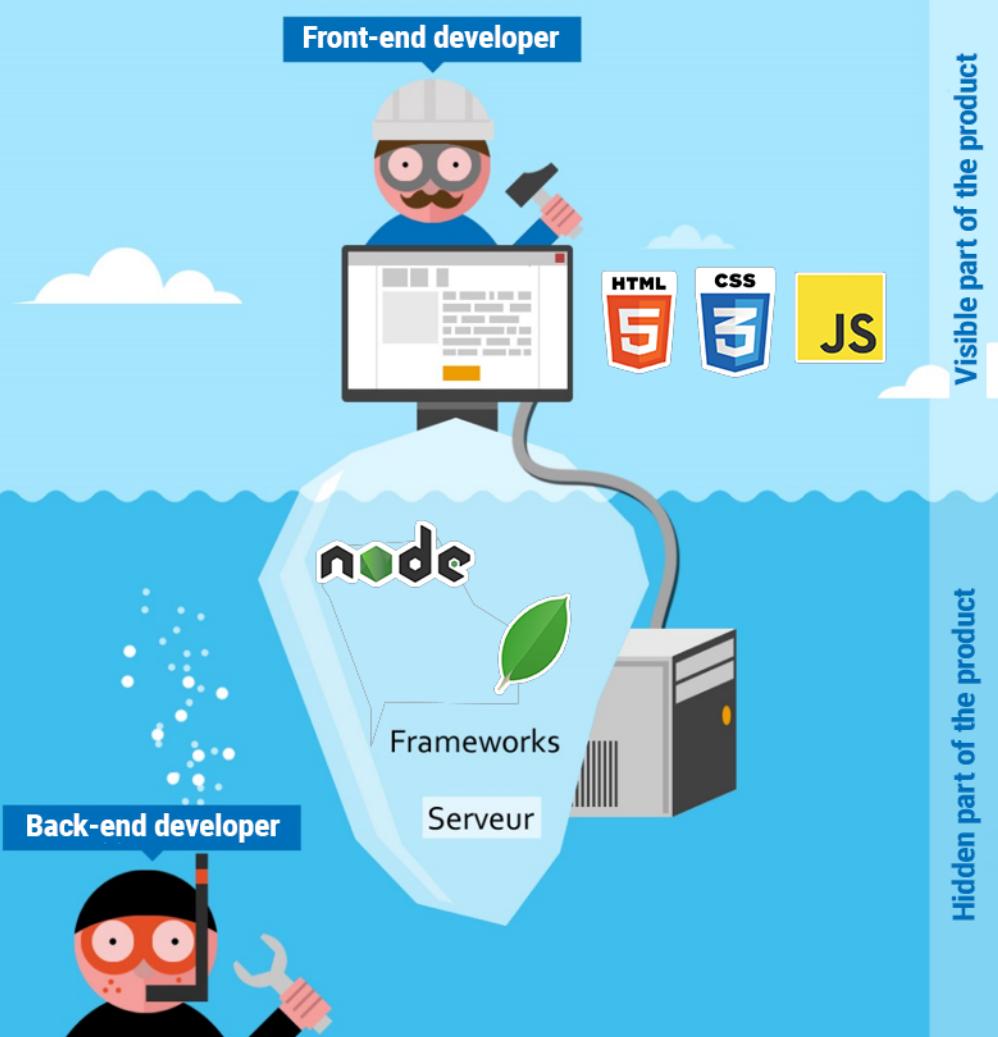
# 1. Introduction

## 2. Establishment of environment

a. Training Framework

## b. Why Front-end?

### What is front-end or back-end?



**Front-end:** Interpreted code of a website. Everything that is seen by the browser of a user (rendered HTML, CSS and JS).

**Back-end:** this is where the data (Database, etc.) and server codes (NodeJs codes in our future examples) can be used to dynamically generate the website and serve data.

# 1. Introduction

2. Establishment of environment

a. Training Framework

## b. Why Front-end?

United States / Job / Software Developer

### Average Software Developer Salary

\$69,674

Avg. Salary [Show Hourly Rate](#)

\$3,604  
BONUS

\$2,082  
PROFIT SHARING

\$6,500  
COMMISSION

The average pay for a Software Developer is \$69,674 per year.



**Salary** \$49,021 - \$102,538

**Total Pay (?)** \$47,177 - \$106,814

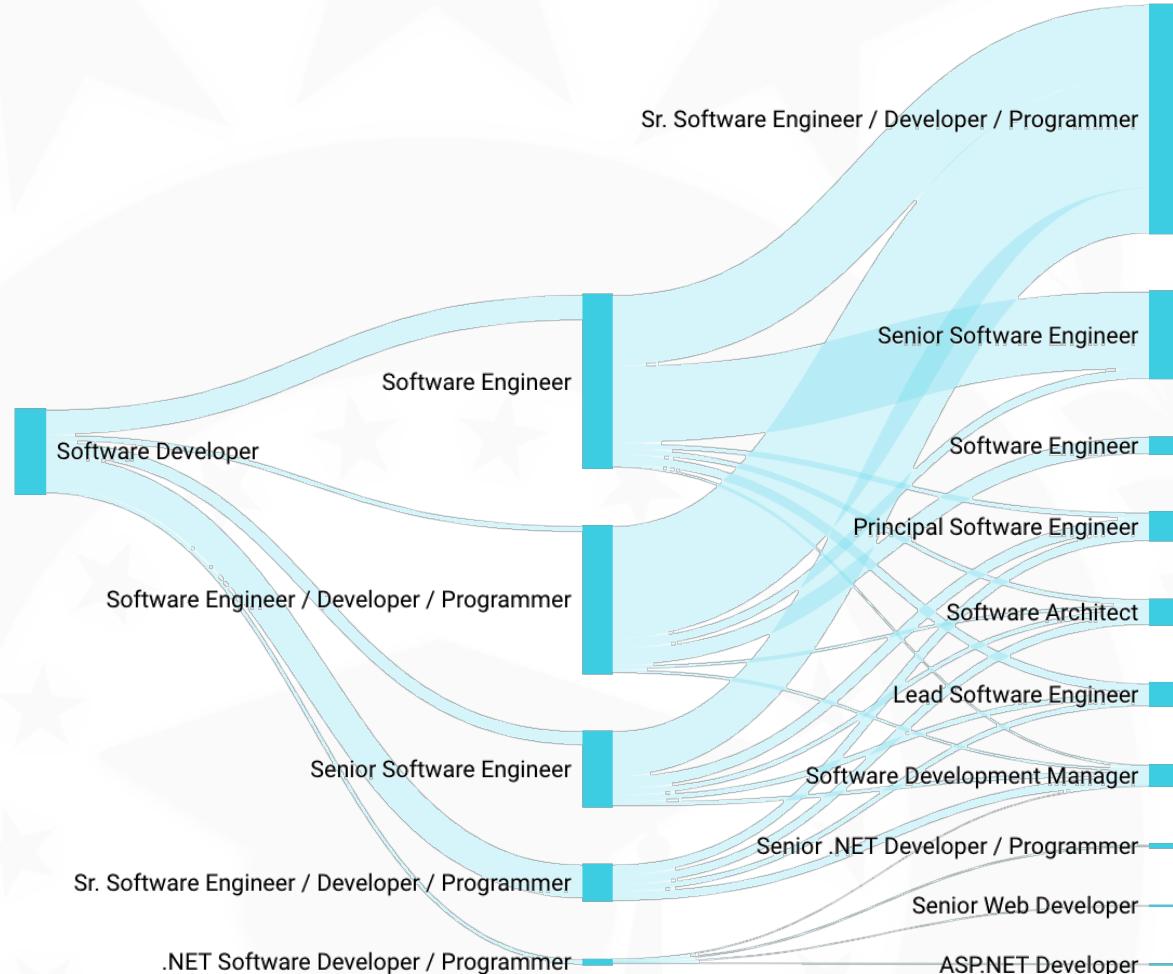
Country: United States • Currency: USD • Updated: 18 Jan 2019 • Individuals Reporting: 22,765

# 1. Introduction

2. Establishment of environment

a. Training Framework

## b. Why Front-end?



# 1. Introduction

2. Establishment of environment

## Jobs:

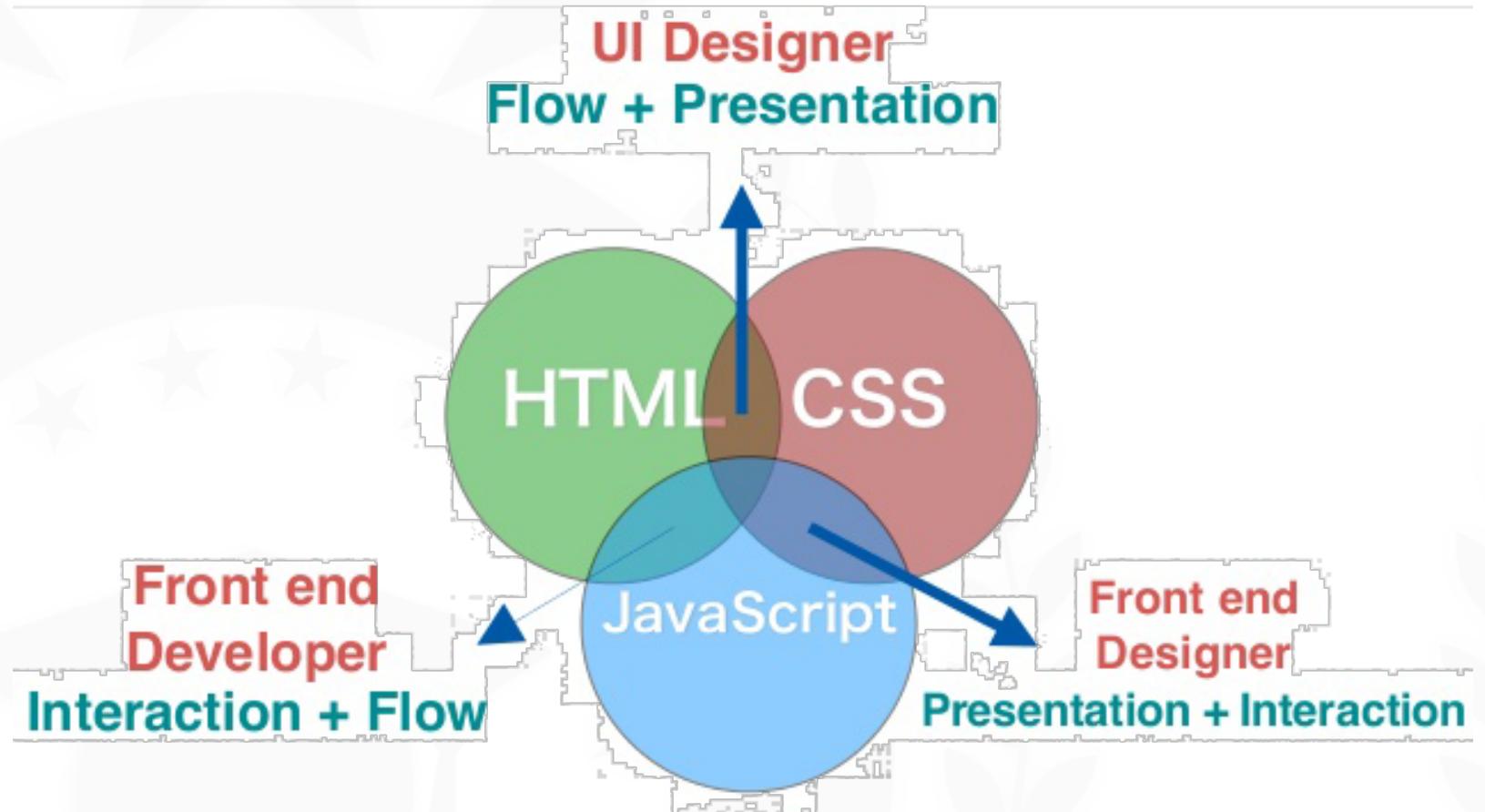
- UI Designer
- Front-end Designer
- Front-end Developer

## Mission:

- Flow
- Interaction
- Presentation

a. Training Framework

## b. Why Front-end?



## 2. Establishment of environment

# 2. Establishment of dev. environment

- a. Choice and installation of IDE,
- b. Choice and installation of tools,

## 2. Establishment of environment

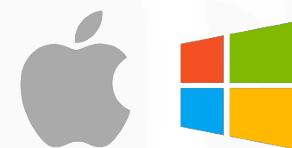


IDE, Source code editor, debugger

**Visual Studio Code** is a source code editor developed by Microsoft for Windows, Linux and macOS. It includes support for debugging, embedded **Git** control, syntax highlighting, intelligent code completion, snippets, and code refactoring. It is also customizable, so users can change the editor's theme, keyboard shortcuts, and preferences. It is free and open-source, although the official download is under a proprietary license. VSC is based on **Electron**, a framework which is used to deploy **Node.js** applications for the desktop.

You can add or remove modules later using the plugin.

Available for:



1. Introduction

## 2. Establishment of environment

a. Choice and installation of IDE,

**b. Choice and installation of tools,**

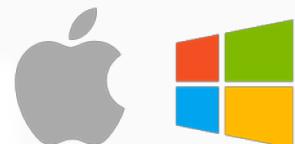


Development & deployment tool



A web browser to test our work

Both are cross-platform



1. Introduction
2. Establishment of environment

## Bibliography:

- The index of wages and job desc.: (Jan. 2019) <https://www.payscale.com/>

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2. Establishment of environment

# Thank you for your attention