1 - Prerequisites

04:04

Course Prerequisites

Basic programming familiarity is assumed, e.g. I won't be explaining what a loop or function is, but I will explain the purpose of every line of code we write.

We will be using `TypeScript` but you don't necessarily need to know it beforehand.

If you are unfamiliar with infrastructure concepts like databases, servers, and APIs, I recommend going through the **System Design for Beginners** course first.

The following are steps I recommend taking before starting the course.

1. (Optional) Install Visual Studio Code

Alternatively, you can use any text editor you like. If you're not sure which to choose, I recommend VSCode because I will also use it throughout the course.

https://code.visualstudio.com/download

2. (Optional) Create an empty Github Repo

I recommend adding a README file. You can do this by clicking the `Add a README file` checkbox when creating the repo.

https://github.com/new

3. (Optional) Install WSL2

If you are using Windows, I recommend installing WSL2. This will allow you to run a nearly complete Linux operating system.

It's generally easier to develop on Linux than Windows,

Mark Lesson Complete

This is especially the case for Docker, which we will use in the course.

I will be using `Ubuntu 22.04.1 LTS` within WSL2, but you can use any Linux distribution you like.

> Note: If you are using macOS or Linux, you can skip this step.
> If you decide to use WSL2, make sure to complete the next steps within WSL and not on Windows.
> This also goes for all future install steps within this course.

https://learn.microsoft.com/en-us/windows/wsl/install

4. Install Node.js and NPM

A. Via installer: **https://nodejs.org/en/download**

B. Via package manager:
https://nodejs.org/en/download/package-manager

5. Install Docker

https://docs.docker.com/engine/install/

I personally installed it via the CLI:

Full Stack Development
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Intro
Demo and

0 8 min FREE Architecture

1 4 min FREE

Video Processing Service

2 Initialize Video Processing Service 11 min FREE

3 Process Locally 13 min FREE

4 Containerize Video Processing Service 15 min

5 Convert Videos Hosted on Google Cloud Storage 24 min

Google Cloud

```
sudo apt install podman-docker  # version
3.4.4+ds1-1ubuntu1.22.04.1
```