**Technologies covered:**

Frontend - Angular, ReactJS, React + TypeScript

Backend - Spring Boot

**Versions of Technologies:**

Angular: 16.0.5

React: 18.2.0

Spring Boot: 3.0.5

**Integrated Development Environment (IDE):**

Angular : Visual Studio Code (1.80)

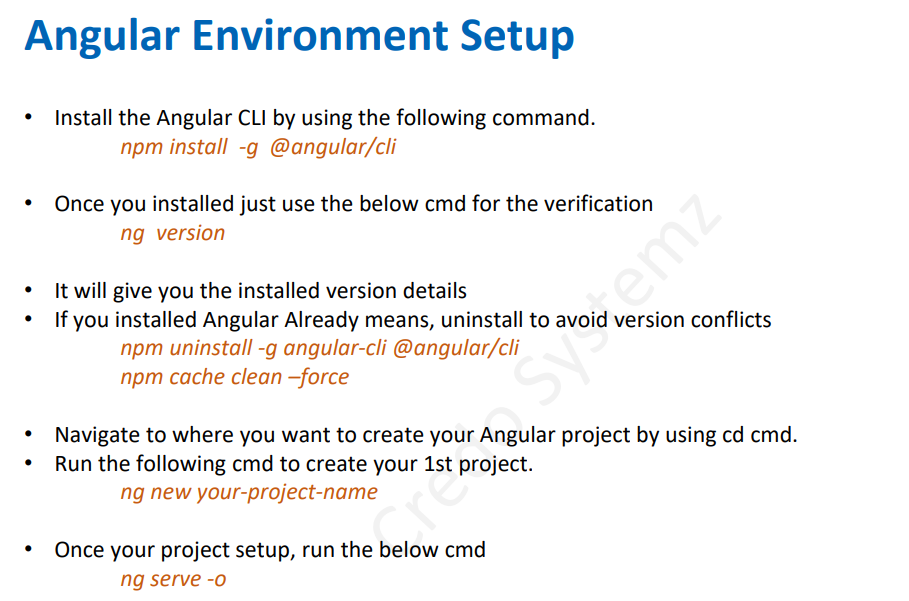
React : Visual Studio Code (1.80)

Spring Boot : Spring Tool Suite (4.15.1)

**Let’s go to the installation process:**

**Let’s start with Angular:**

Please follow the steps of the below image to Angular Environment Setup.



A screenshot of a computer program

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Once you have done all the steps please install Nodejs for using the npm package from Nodejs library.

Click the below link to install the Nodejs:

https://nodejs.org/en/download

There is only one more setup which is typescript:

Please follow the steps of the below image to install the typescript.



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Now we have completed the installation process of Angular.

**Let’s go to React:**

For React is very simple. We can use create-react-app which is from npm package. We have already install npm. So You just type in your terminal.

**npx-create-react-app you project name**

**Then you can get your react app.**

Now we have completed the installation process of React.

**Let’s go to Spring Boot:**

Click the link to download STS:

[**https://spring.io/tools**](https://spring.io/tools)

**For environment setup and crate project click the link to learn to create project spring boot project in sts.**

[**https://www.youtube.com/watch?v=19lZkM7Dr-c**](https://www.youtube.com/watch?v=19lZkM7Dr-c)

**Final step is to download and install the oracle database:**

**Watch the video to download oracle 10g express edition and the all setups:**

**https://www.youtube.com/watch?v=s53IDbGBbbc&t=45s**

Now we have completed all the installation processes of frontend and backend.

**Let’s discuss the projects:**

**I have completed my create, read, update, and delete (crud) operations and I have created REST API in the backend.**

**Please go through my projects.**

**Note: Thymeleaf is not frontend it’s a server side java templete engine**

**PLEASE REFER ALL THE PROJECT DOCUMENTS TO LEARN FRONEND AND BACKEND**