Understanding Web Development

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How Does the Web Work?

- **Client-Server Model:** The web operates on this model where the client (browser) sends requests to the server (web host).
- **Communication via HTTP:** The client communicates with the server using the HTTP protocol.
- **Content Delivery:** The server processes the request and returns data (HTML, CSS, JavaScript) to the client.
- **Example:** When you type a URL, the browser sends a request to the server, which responds with a webpage.

What Do You Need to Be a Web Developer?

Technical Skills:

- ▶ HTML, CSS, JavaScript
- ▶ Frameworks (React, Angular, Vue.js)

Tools:

- ▶ code **Code Editors:** VSCode, Sublime Text
- ▶ git **Version Control:** Git

Why Did You Choose to Learn Web Development?

- **Creativity:** Fascination with creating interactive, user-friendly websites.
- **Career Growth:** The tech industry offers many opportunities and high demand for developers.
- **Impact:** Web development allows you to make an impact on businesses and individuals through innovative solutions.

Conclusion and Takeaways

- Web development is an exciting blend of technical and creative skills.
- Continuous learning and adapting to new tools and technologies is essential.
- Practical experience and real-world projects are crucial to becoming a successful web developer.