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Stef's 10 Rules of Code

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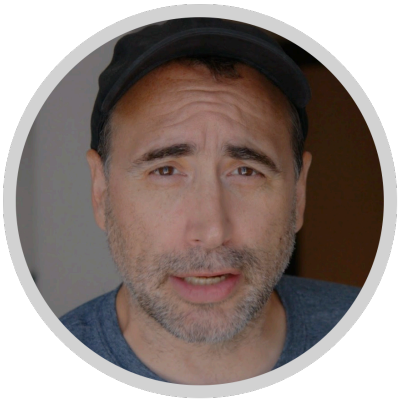

1. There are NO bad programming languages.

- Developers switch up programming languages all the time.
- It's easy to learn a new programming language.
- The popular languages are stable and have been around for decades: Python, C#, Java, C++, PHP, JavaScript.

2. Write time > run time speed.

- Because hardware, software and networks are so much faster ... how **productive** a programming language is, is almost always more important than how fast it runs.

  ... If you can write your software with 2000 lines of code instead of 10,000, you are way ahead because you have less lines to debug and maintain.

3. Concentrate on foundations of coding.

- The key to mastery, and quickly developing pro level developer skills is to concentrate on the fundamentals of programming.

4. Don't get caught in tutorial-hell!

- Endlessly doing tutorials is a trap. After you've done your foundations, time to get into real projects!

5. Learn to refactor code.

Books to read:

Refactoring: Improving the Design of Existing Code (2nd Edition) https://amzn.to/3o5cTbw

Java Refactoring: Improving the Design of Existing Code (1st Edition) https://amzn.to/3a9nSsZ

6. Learn design patterns.

Recommended Book:

HeadFirst Design Patterns: https://amzn.to/2LQ0Gdh

7. You will learn multiple languages.

Developers almost ALWAYS learn at least a few languages in their careers. So being a language-zealot makes no sense. Yes, we all have our favourites, but this too will change over time.

8. Communication skill are super important.

Developers who become great communicators make more money and have more fun. Improve:

- Writing skills.
- Speaking skills.
- Social / psychological skills.

9. Learn a framework.

Developers who learn and use frameworks, become more productive, more valuable to the team, and become better programmers. Each language has their respective frameworks. For example:

- JavaScript / Nodejs + Express.js.
- PHP Laravel
- JavaScript: React, Vue.js, Angular.js
- Java: Spring
- Python: Django

... And many more.

10. Don't try to learn everything!

Developers learn the need2nerd philosophy that teaches you that you as a developer, can't possibly learn even 10% of what is out there … let alone everything!

Experienced programmers learn the fundamentals, and reserve most of the other stuff for need2nerd application: learn it when you need it.

The YouTube video: