

The Basis/Reasons for Pursuing Your Software Engineering/Programming Career In The Western World

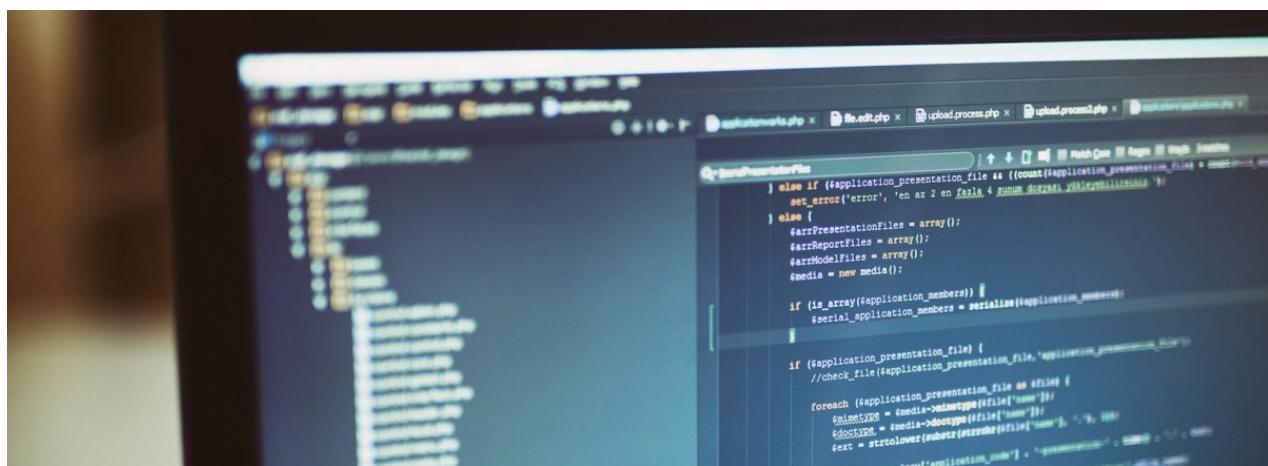


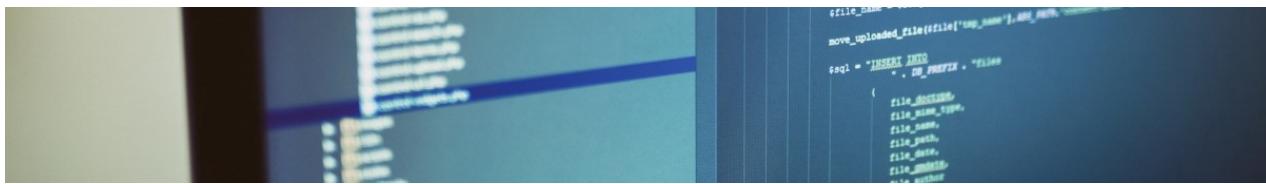
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Udacity Data Scientist Nanodegree program

Let's make use of Stack Overflow 2017 survey data to find out.





Introduction

There are several contesting views when it comes to an IT career in the eastern world, especially if you are a Software Engineer or so-called Coding Junkie.

You'd definitely hear statements like "you should move to Silicon Valley in America", "Go To The Western World If you are certainly

a software programmer!” or “don’t stay in the east if you are a Software Engineer.”

I: Why should we find a job in the West coast?

But the question that intrigued me the most was:

“Let us assume you have a junior in college. They are 23 years old, who have a undergraduate degree in computer engineering, and have been working as a software developer with a multinational corporation for the past three to four years in India. They would want your advice on should they switch to a career in America. How would you recommend to your cousin?”

We can observe here that a software developer’s income in the east coast is very much lower than that of what a developer makes in the west coast even with the same amount of programming experience or more.



The data provided here are actual salaries of overall software developers in the survey. However, it would be more exciting to know the difference of parameters like job satisfaction, career satisfaction and salary differs between the West and the East.

II: Behavioral patterns and thoughts of developers on being overpaid and underpaid

In the chart below, I was interested in observing the behavior of developers in terms of their salary, whether is it underpaid or overpaid. These lines represent their thoughts when they are overpaid, with a higher mark indicating that with more thinking, they are overpaid.

We can observe from here that programmers in the east indicated by a blue line don't behave as enthusiastic when underpaid in their whole career than programmers in the west indicated by a green line



III: Comparison to find Satisfaction rate or difference of job and careers?



Here, we observe that western programmers indicated by a blue ball have a much higher satisfaction rate in their jobs and careers, being positioned at the right-high-up-corner. The ball size is an indicator of their average salary, the blue ball size is much larger

than the red ball size indicating the eastern programmers salary.

Conclusion

In this article, we observed on why it is better to switch your careers to the west if you live in the east coast with reference to the Stack Overflow 2017 survey data.

1. We compared salaries based on Years a developer has been coded between the east world and the west world. The outcomes we observed were salaries of western programmers were more than the east no matter if they had the same amount of coding experience or more.
2. Then, we observed how different the view points are in terms of behavior on how east and west programmers think if they're underpaid. This depicted an outcome that majority of east coast developers think that they are underpaid than the developers in the west coast no matter if they have the same level of experience or more in coding.
3. Final observation was that the career and job satisfaction of software developers in the west are much higher than those in the east.

These findings are observational and not the result of a formal study. Hence, the real research question remains:

Will software developers relocate to a Western nation?

To understand more on the data analysis, please click the link to my Github profile, available here.

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