

A Developer's Life after University

Life and pre-career of a software developer in University

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Come, Code, and Make IT happen!



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Who am I?

- ▶ I am Mustafa Ehsan
- ▶ A software developer at Netlinks
- ▶ Open source contributor and lover

Don't get upset with your black screen

- ▶ Loops, blocks, assignments, if...else, black screens will always be there, master them.
- ▶ From building a simple calculator to writing code for NASA's spaceships your loops and if, elses will be always be with you.

```
Python 2.7.13 (default, Jan 23 2017, 14:10:40)
[GCC 4.2.1 Compatible Apple LLVM 6.0 (clang-600.0.54)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
[>>> names = ['Ahmad', 'Mahmood', 'Mustafa']
[>>>
[>>> for name in names:
[...     print 'Hello,', name + '!'
[...
Hello, Ahmad!
Hello, Mahmood!
Hello, Mustafa!
>>>
```

What good is there in data structures/algorithms for you?

- ▶ Is there any good in it?
- ▶ Logic and decision making
- ▶ Big companies interviews
- ▶ Reducing complexity

Things to Know

- ▶ If you cannot answer your "why?", don't go forward
- ▶ Sometimes, don't listen to your family; ask them why?
- ▶ If you love it, you will get it
- ▶ Don't let university kill you
- ▶ Go out and enjoy your time

Things to do

- ▶ Build small things, but usable things
- ▶ Start automation from today, start with ugly scripts
- ▶ Reinvent the wheel as much as you can

Pre-Career Tips

- ▶ Be a specialist, be a generalist
- ▶ Have something to show
- ▶ Be fair and realistic about your incomes
- ▶ Make decisions with your current state in mind
- ▶ Get involved in open source (long term tip)

Career paths in Software

Below is some career paths that someone can follow in Afghanistan:

- ▶ Working for a vendor as a developer
- ▶ Starting a company (ahh, this is tough!)
- ▶ Working from home
- ▶ Remote jobs

Open Source Involvement

- ▶ You will learn, a whole lot
- ▶ You will be peer with industry's bests
- ▶ Learning the best possible practices in a technology
- ▶ It can even help you make a lot of money
- ▶ It can help you start a business out of it

Sher Shah Rahim's Story

A friend of mine who couldn't speak English wanted to type Pashto which wasn't possible back then with the built-in or third-party keyboards. I moved forward and developed one, today I have over 130,000 active users for my keyboard and Afghan Calendar.

It doesn't only benefit others but it also gives me something in return. Just by placing Google Ads in the apps and not spending a penny, I make about \$500 a month.

Sher Shah's Advice

Do not choose computer science for money or for fame or for family, choose it only if you love it and only then you will shine.

Mustafa Wahrez's Story

Graduated from Kabul University, he built a School Management System as his final year project and now he has turned it into a business. [WSMIS](#) is used among 49 schools in 12 different provinces of Afghanistan.

Taylor Otwell



- ▶ Creator of Laravel
- ▶ Forge, Envoyer, Spark
- ▶ Making about \$1.5M USD per month

Mohamed Said



- ▶ A PHP developer from Egypt
- ▶ Started working on open source about 1.5 year ago
- ▶ Recently hired as Laravel's first employee

CS50 from Harvard University

- ▶ Harvard University's publicly available CS course
- ▶ Course website: <https://cs50.harvard.edu/>
- ▶ Spring and Fall semesters

Code.org

- ▶ An organization which aims to bring computer science to schools and to non-programmers
- ▶ Website: <https://code.org/>

Thank you!

Questions?

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