Software Engineer's Life Manual

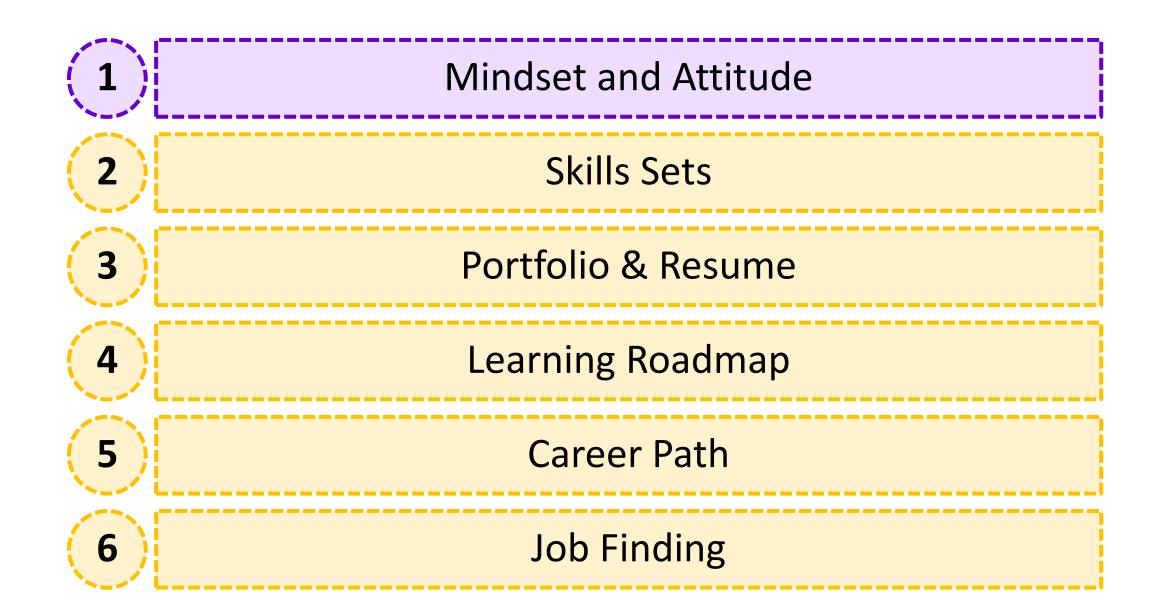
How to live and build a successful career as a software developer, even if you are self-taught

Module 01 Lets Start!

Ali Samanipour

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Ali Samanipour linkedin.com/in/Samanipour



"Nothing in this world can take the place of good old persistence. *Talent won't.* Nothing's more common than unsuccessful men with talent. *Genius won't.* Unrecognized genius is practically a cliche. *Education won't.* Why the world is full of educated fools. *Persistence* and determination alone are all powerful."

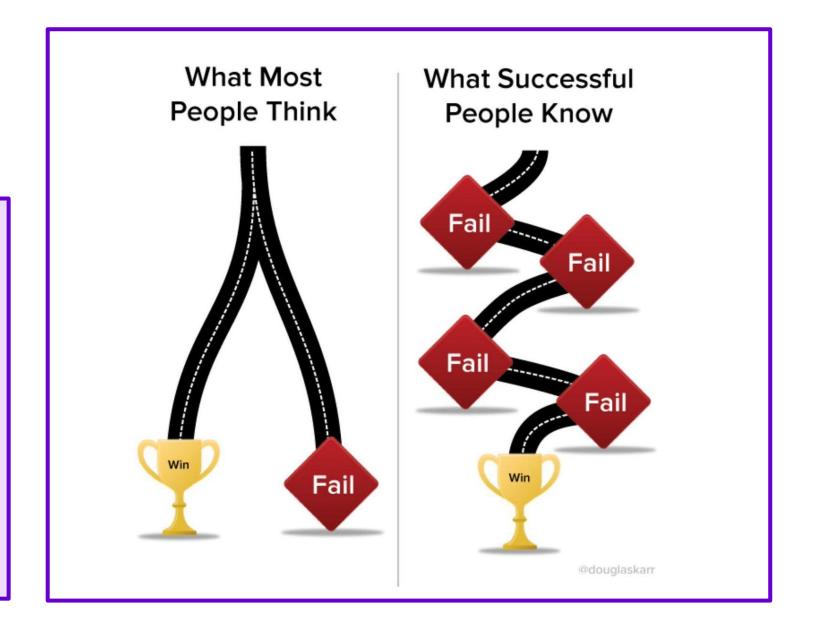
Raymond Albert Korc

"The Fifth Law: With persistence success can come at any time."

Albert-László Barabási

Congratulations!! You've Don It

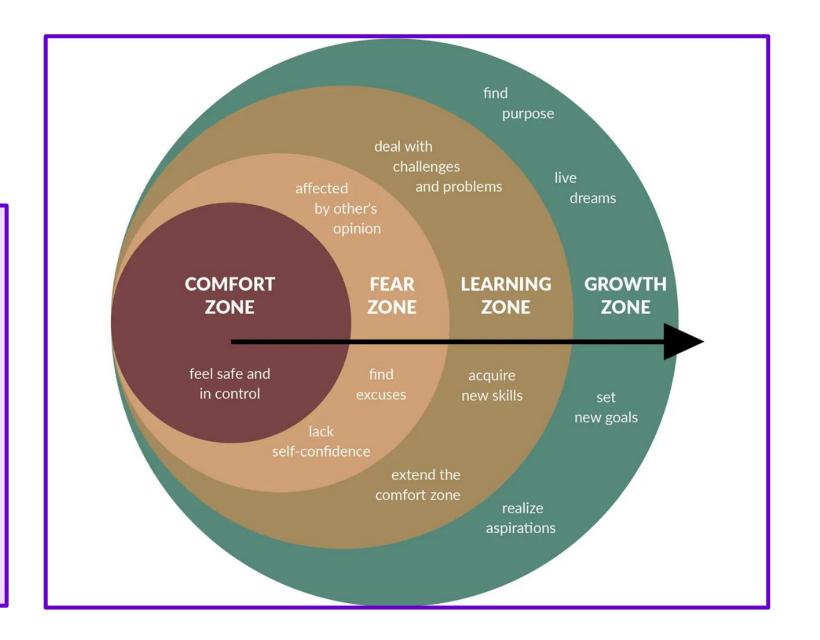
Fail Fast
Fail Early
Fail Forward



Form Comfort to Growth

"If the road is easy, you're likely going the wrong way."

Terry Goodkind

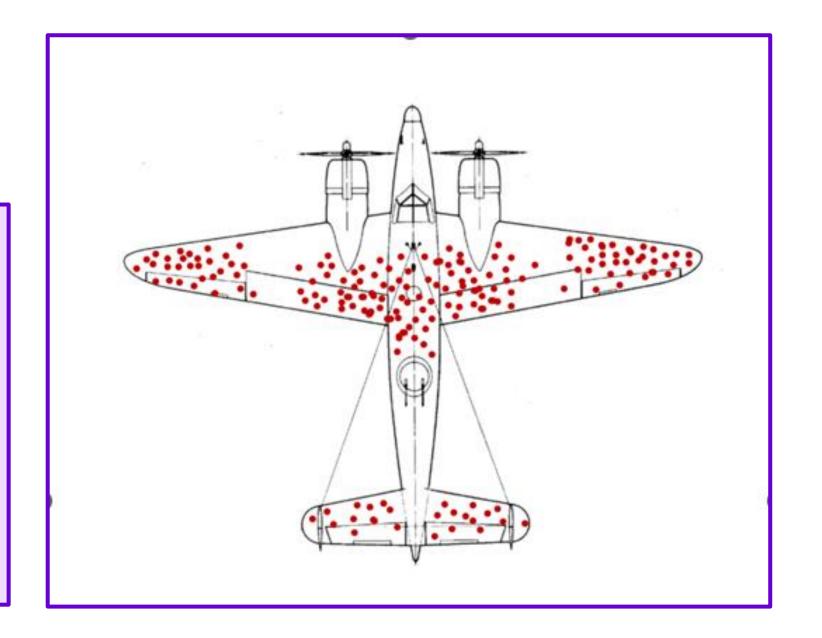


""If you want to be successful, **learn from the other people's mistakes**, don't learn from the successful stories."

Jack Ma

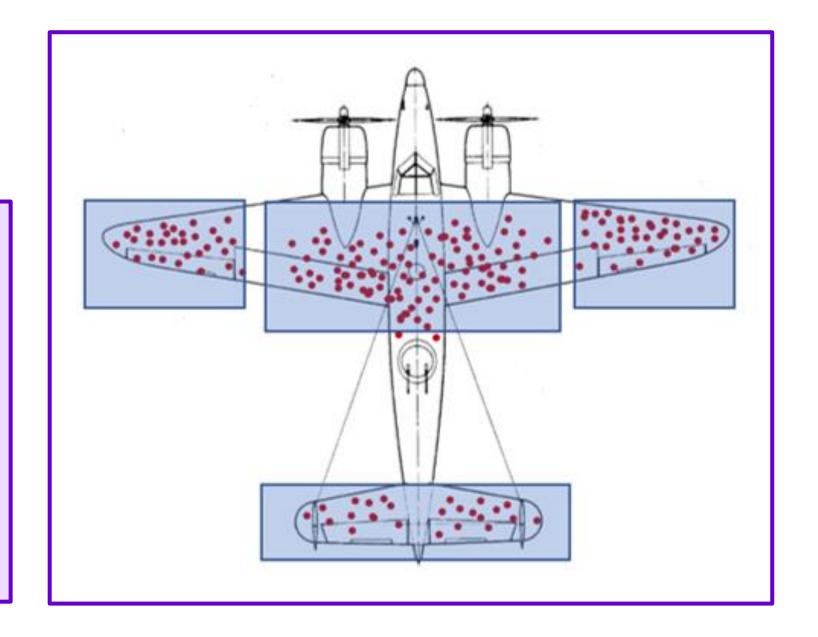
Survivorship Bias

Our data if only from returning flights. Visualization of the places that bullet holes were observed.

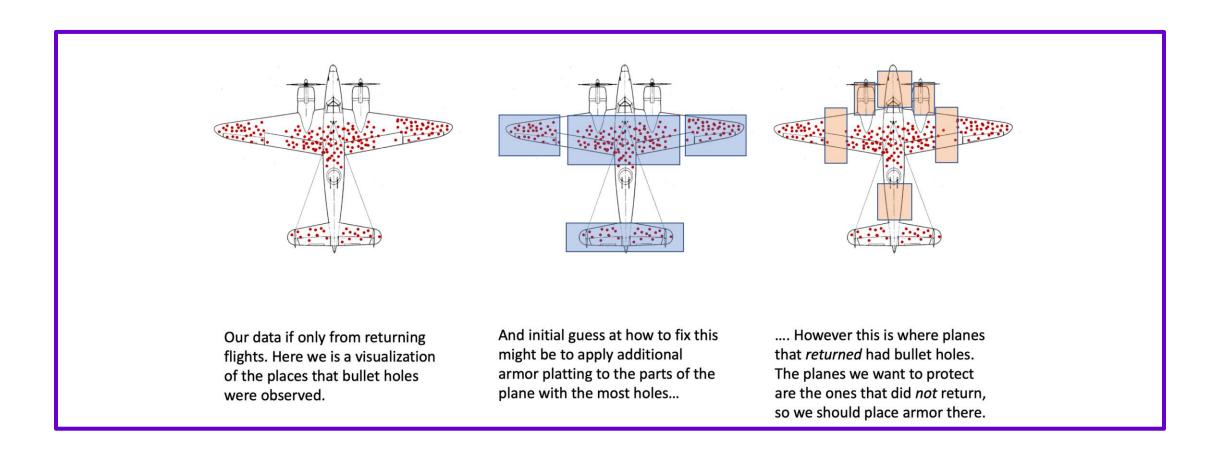


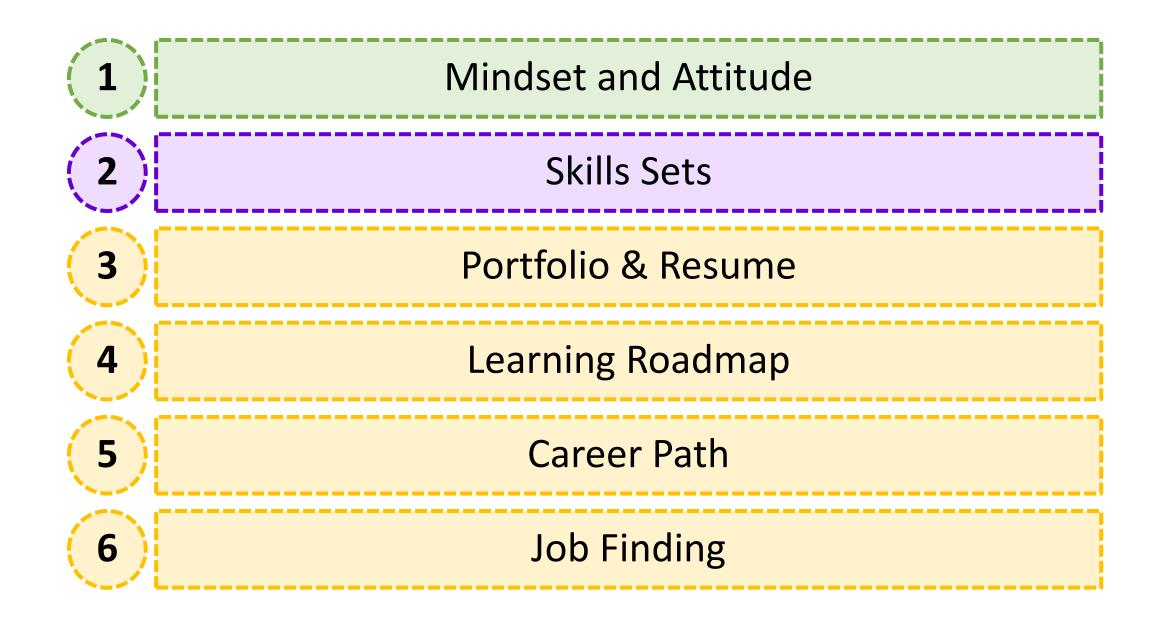
Survivorship Bias (Initial Guess, But Wrong!!)

An initial Guess at how to fix this might be to apply additional armor platting to the parts of plane with the most holes



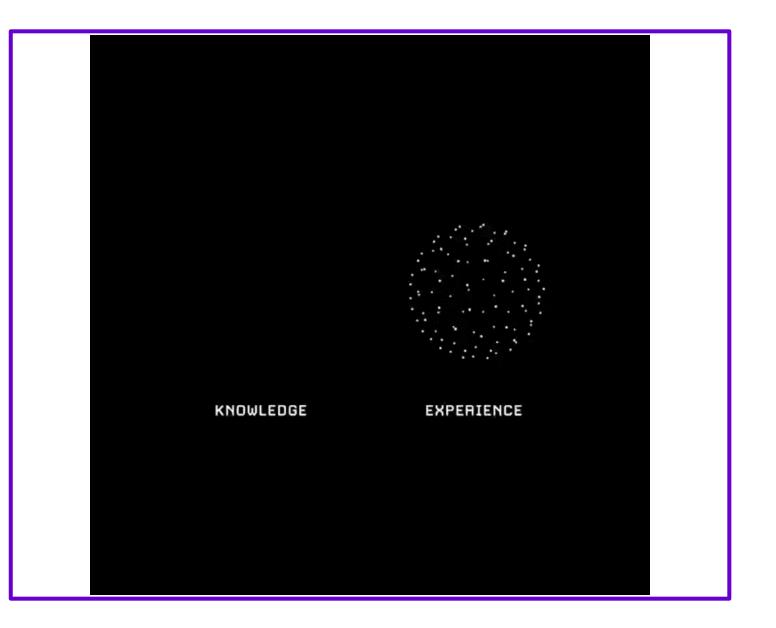
Survivorship Bias (The Right Answer)





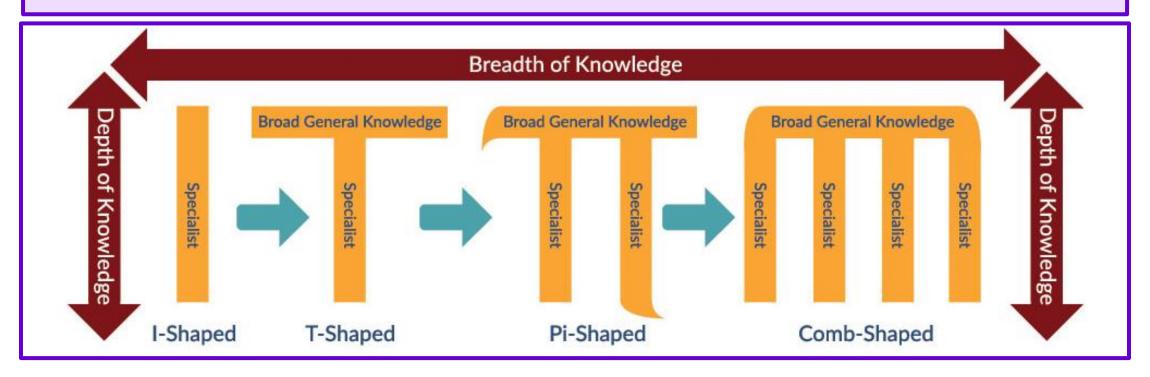
Your Portfolio (Knowledge vs Experiences)

Knowledge collects
the dots,
Experience
connects the dots.



Your Skill Set and It's Shape

Now days you should at least have a T-Shaped Skills Set



Soft Skills vs Hard Ones

Soft Skills shape your mindset, Hard Skills shape your experience and your knowledge

Hard Skills

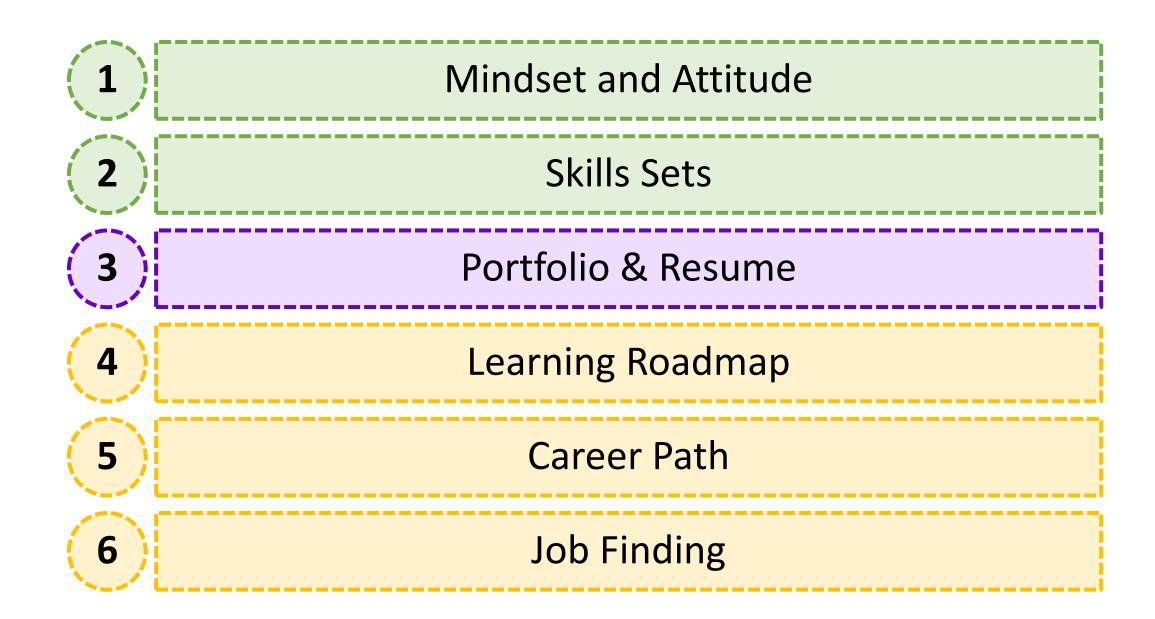
- Bilingual or multilingual
- Database management
- · Adobe software suite
- Network security
- SEO/SEM marketing
- Statistical analysis
- Data mining
- Mobile development
- User interface design
- Marketing campaign management
- Storage systems and management
- Programming languages
 (such as Perl, Python, Java, and Ruby)

Hard skills are technical knowledge or training that you have gained through any life experience, including in your career or education.

vs. Soft Skills

- Integrity
- Dependability
- Effective communication
- Open-mindedness
- Teamwork
- Creativity
- Problem-solving
- Critical thinking
- Adaptability
- Organization
- Willingness to learn
- Empathy

Soft skills are personal habits and traits that shape how you work, on your own and with others.



Your Portfolio (LinkedIn.Com)

Online Resume Networking **Job Opportunities** Learning



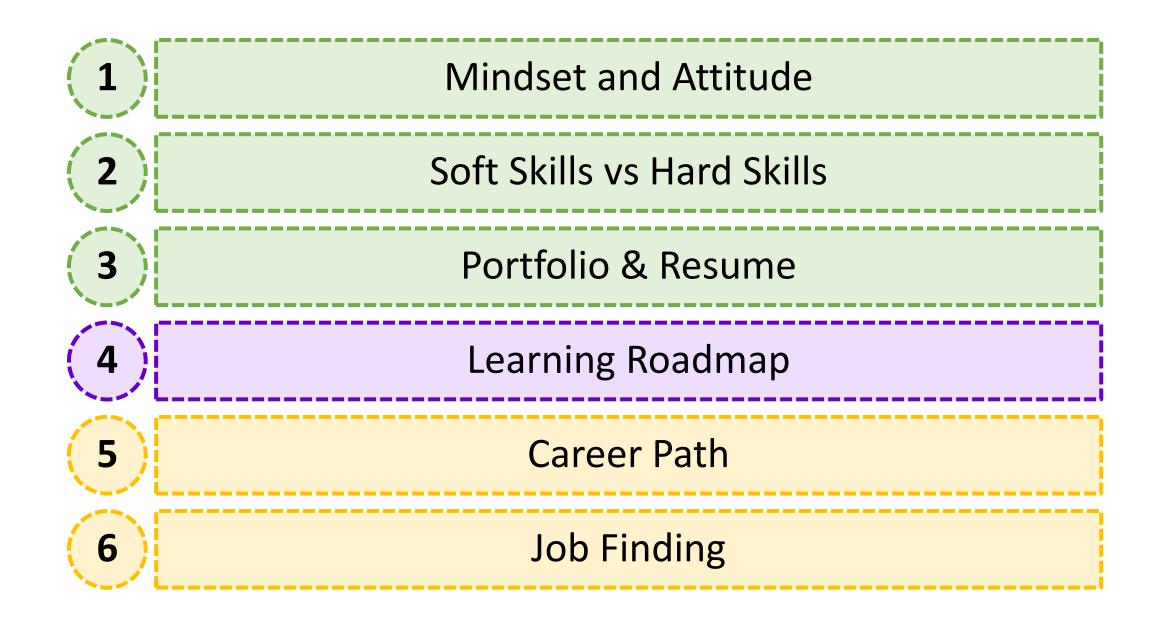
Your Portfolio (For Developers and Programmers)

You will be evaluated and judged by your not only by your knowledge (certificates) but also by your experiences you have







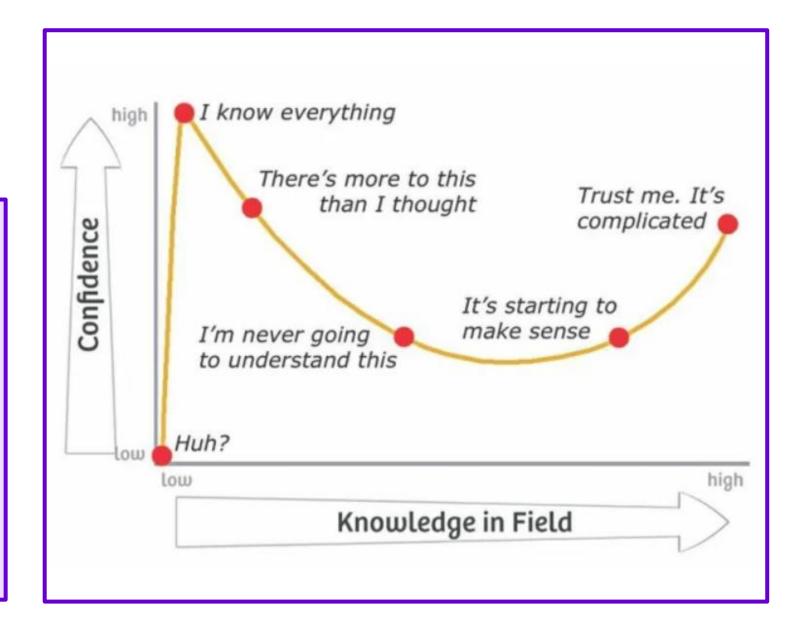


"Humankind is facing unprecedented revolutions, all our old stories are crumbling, and no new story has so far emerged to replace them. How can we prepare ourselves and our children for a world of such unprecedented transformations and radical uncertainties?."

Yuval Noah Harari

Your Confidence vs Your Knowledge

Dunning-Kruger Effect, a path to seniority

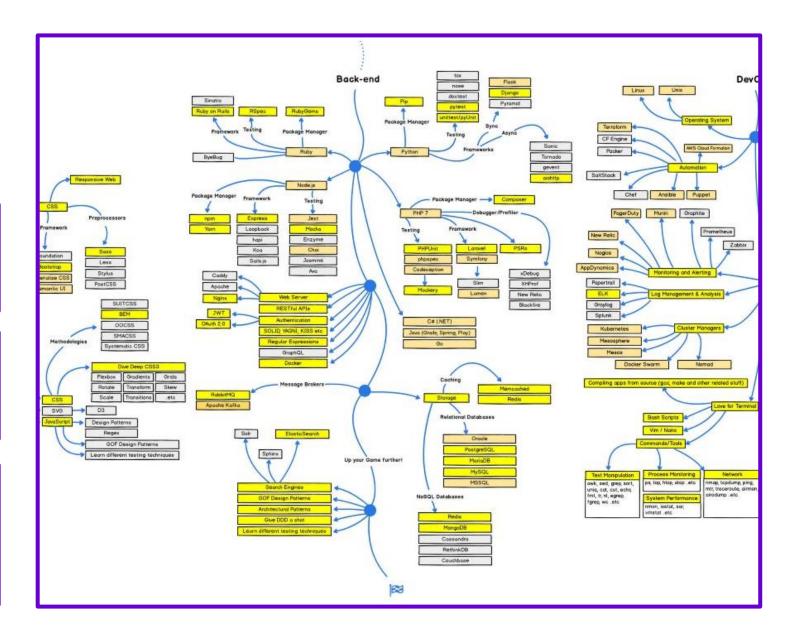


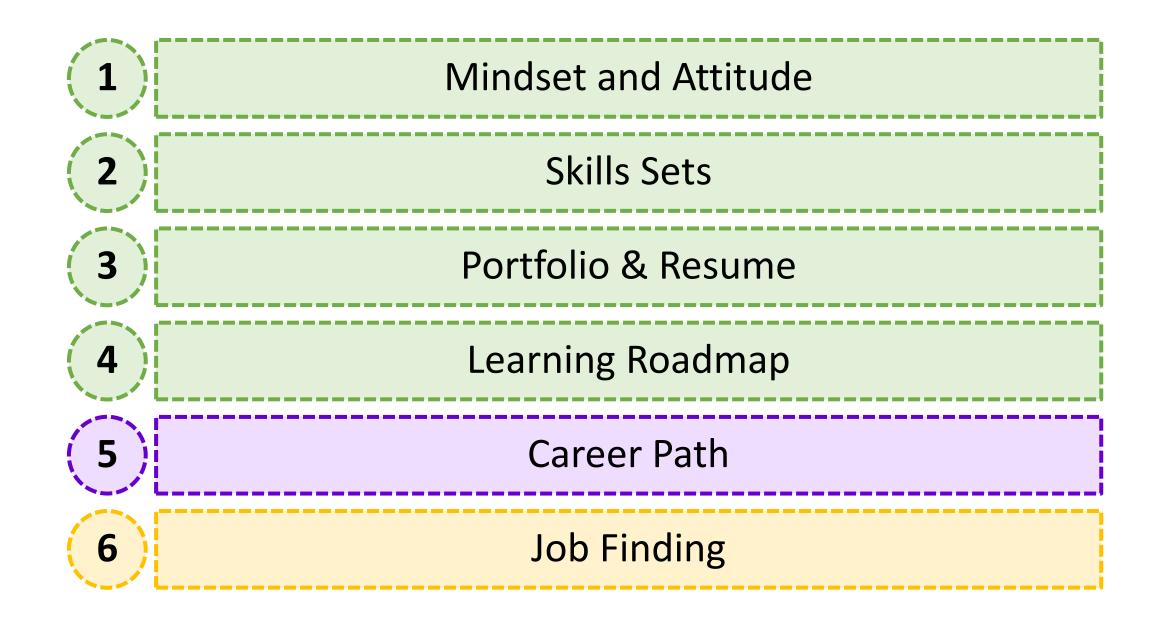
How we should know what we should know?! (the next step?!)

1. Get a Mentor

2. Get a Course

3. Use predefined roadmaps



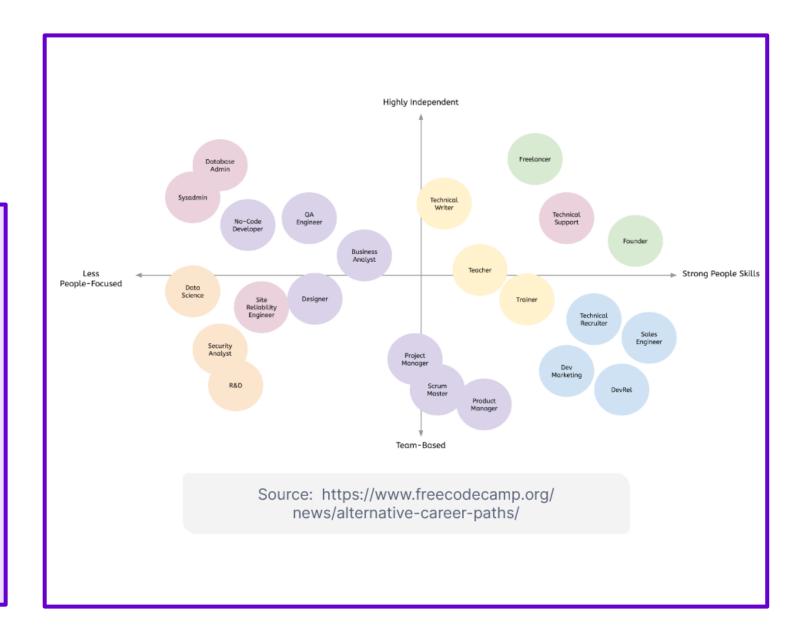


"The biggest mistake that you can make is to believe that you are working for somebody else. Job security is gone. The driving force of a career must come from the individual. Remember: Jobs are owned by the company, you own your career!"

Earl Nightingale

How to choose your field (Your Personality matters)

Independency Type
And
Skill Type

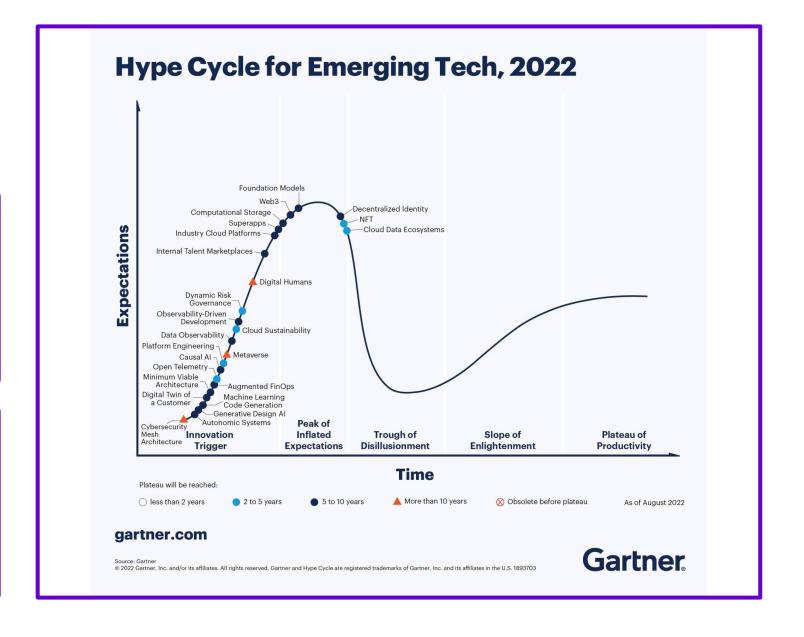


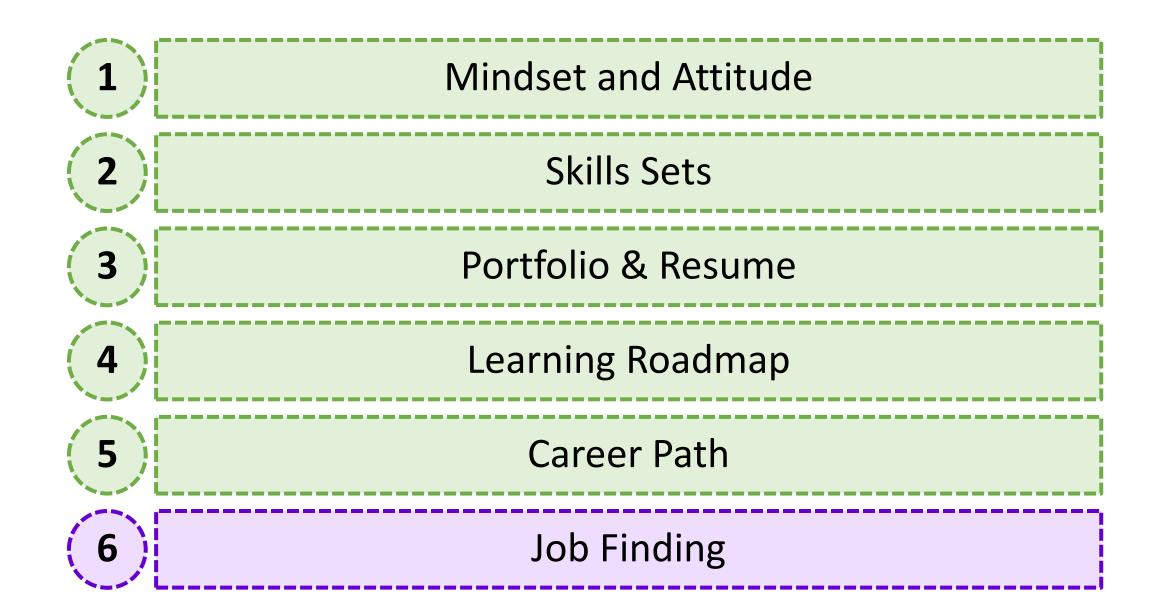
Valuable Knowledge, Market Needs and Trends

How we should know what we should know(learn)!?

(to be successful)

Job market and ads will guide you! But you should prepare for the future!





How get a job without any Experience?

You could (should) make your own experience (don't wait to someone prepare the situations for you)

Apply for free or paid Internship

Contribute to open-source projects on GitHub

Work on your own project and published it

Collaborate on Stack overflow or online judge platforms

Course References

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Accessing Course Resource



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