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Career Coding: Navigating Success in Software Engineering



Agenda

1. What is a Software Engineer?
2. Learning Paths to Become a ”Good” Software Engineer
3. Career Paths in Software Engineering
4. Skill Development Advice
5. Industry Trends
6. Struggle to land the first good job in 2023-2024
7. Q&A



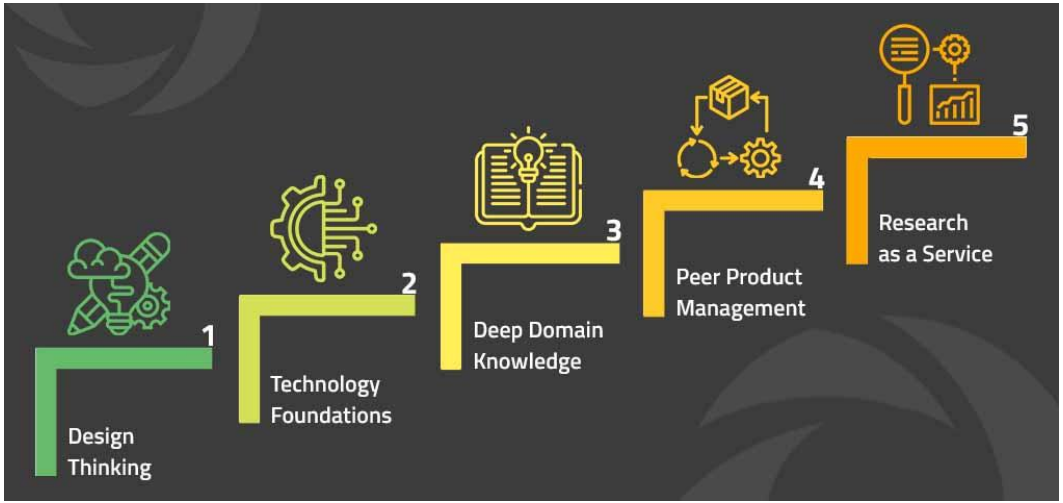
What is a Software Engineer?



"The best way to predict the future is to invent it."
– Alan Kay

What is a Software Engineer?

1. A master builder / architect in the digital world.
2. A problem solver for various industries.
3. Utilizes programming languages as tools.
4. Bug hunter.



What is a Software Engineer (Bug Hunter?)





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Learning Paths to Become a ”Good” Software Engineer



"The only way to do great work is to love what you do. If you haven't found it yet, keep looking. Don't settle."
– Steve Jobs

Learning Paths to Become a “Good” Software Engineer

1. Focus on a certain path that you enjoy.

2. If you still feel confused attend Harvard’s free CS50 series courses.

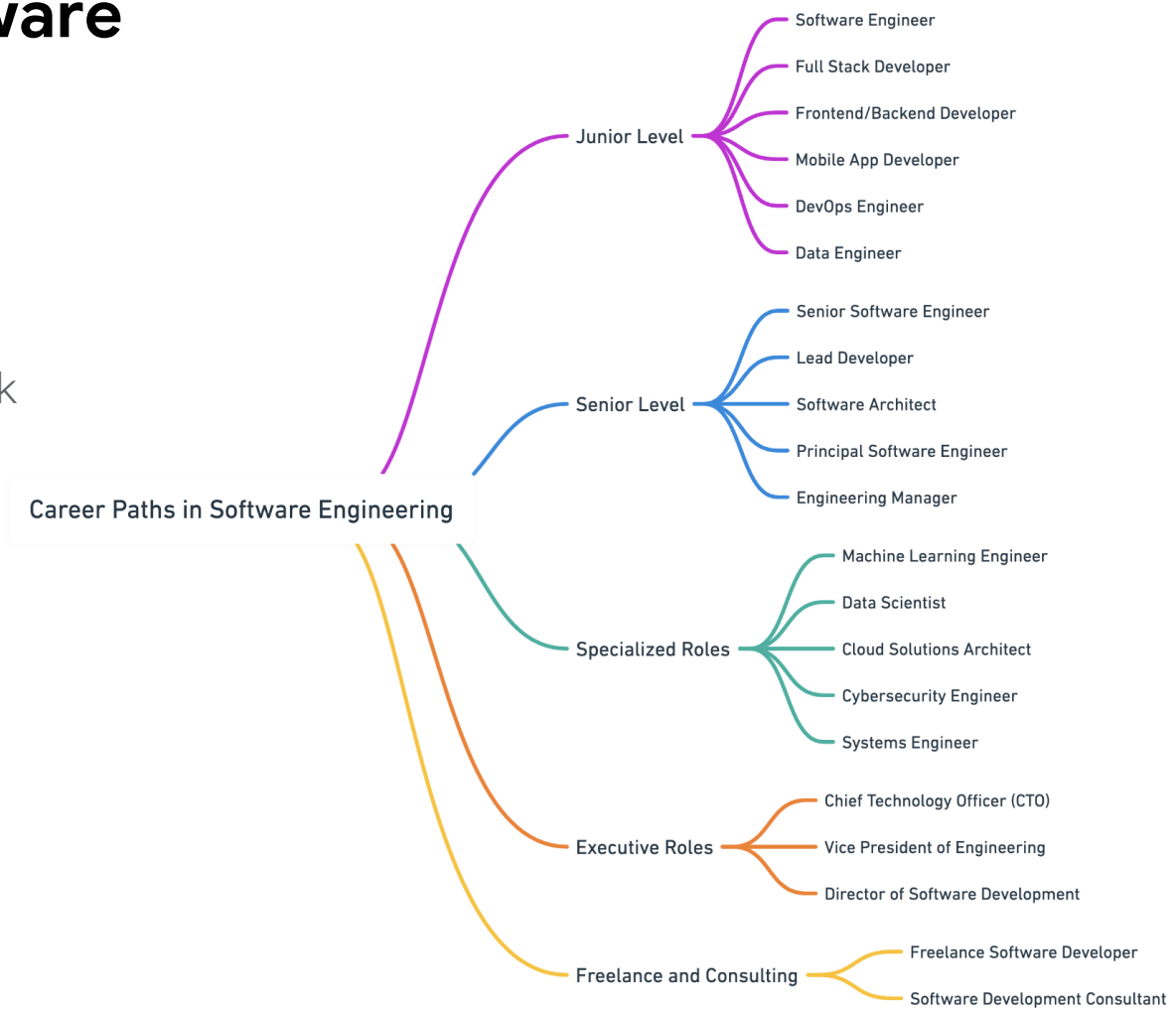




Career Paths in Software Engineering

Career Paths in Software Engineering

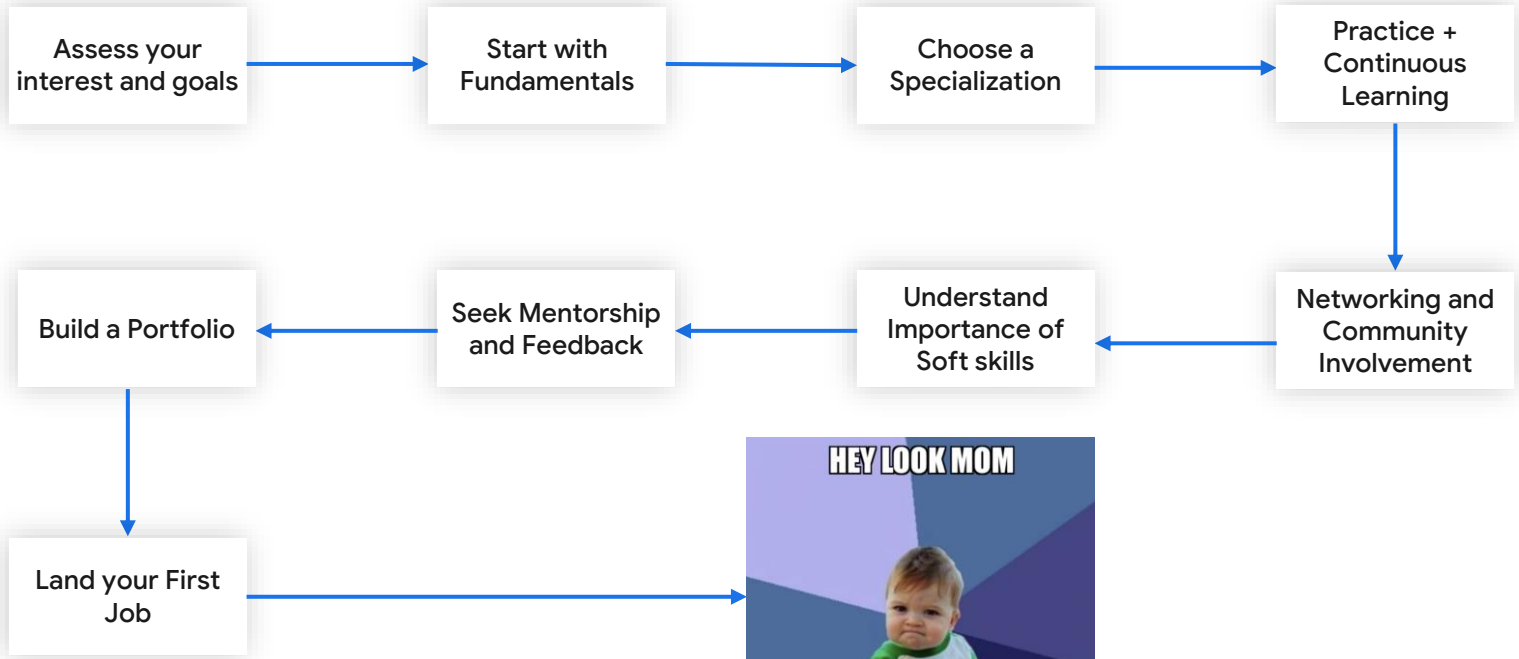
1. Job titles can be confusing for fresh graduates.
2. Which positions to look for?





Skill Development Advice

Skill Development Advice



Skill Development Advice (Agile Methodology)

1. A SWE/PM approach.
2. Incremental Product Delivery based on 2-4 weeks sprints.
3. Emphasizes flexibility, collaboration, customer satisfaction, and iterative progress.

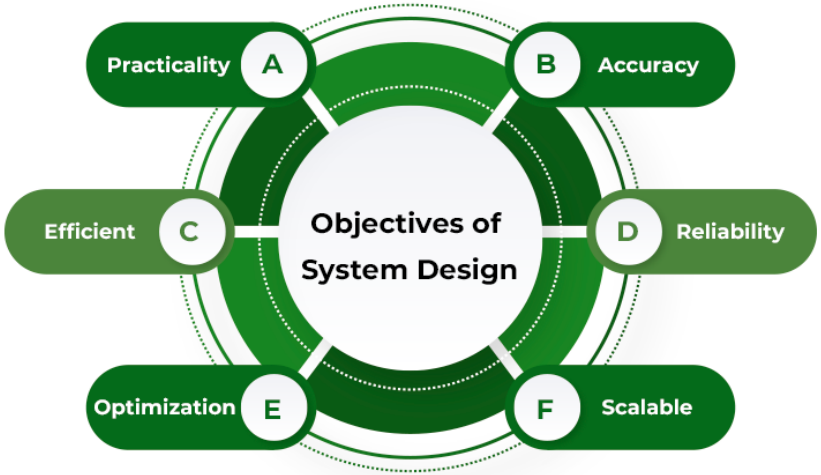




Anyone can write code that a computer can understand, but few can write code that people can understand.

Skill Development Advice (Learn Systems Design)

1. Software Systems Design
2. Clean Architecture
3. Clean Code
4. Best Practices / Principles



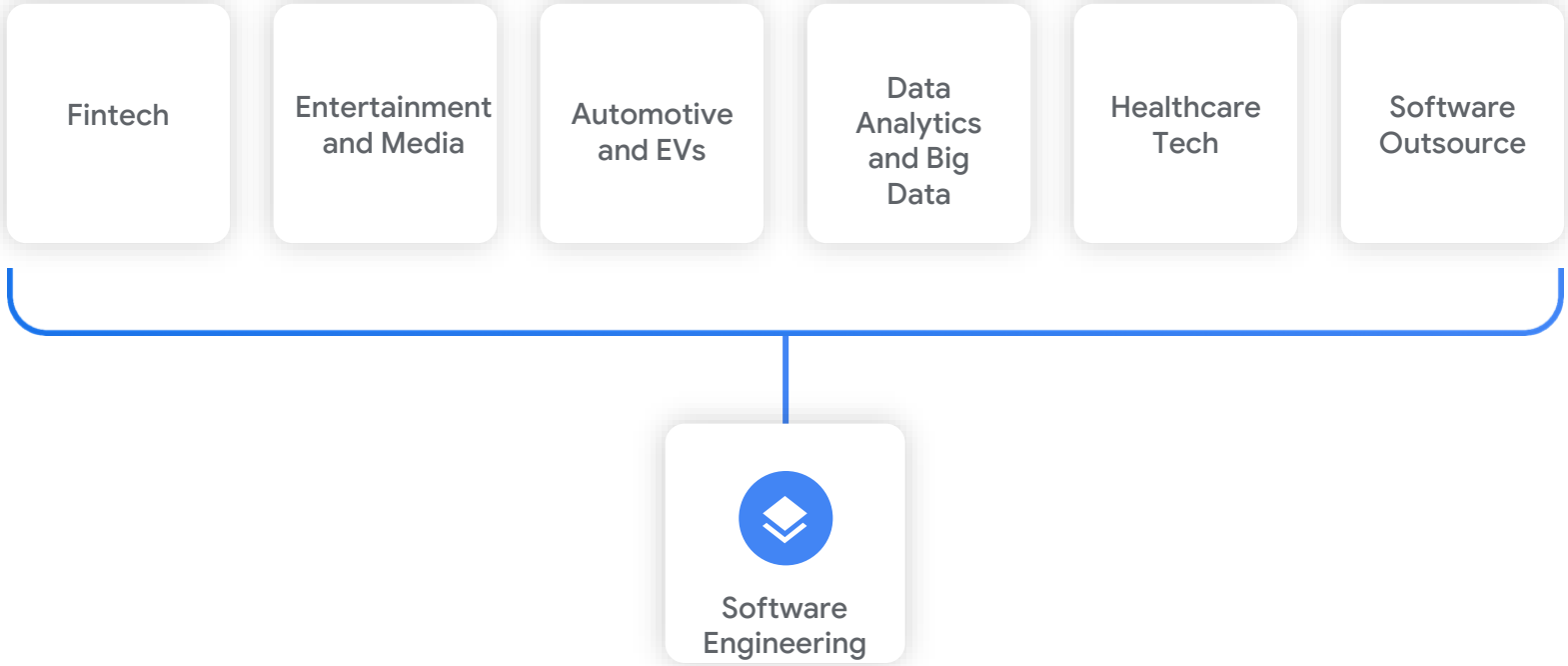
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University Name

Industry Trends

Industry Trends



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Struggle to Land the First Job in 2023-2024

Struggle to Land the First Job in 2023-2024

- Do as many internships as you can.
- Get online certifications from Udemy, Amazon, Google, Meta, or other trusted providers.
- Contribute to open source
- Stay updated with trends



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University Name

Q&A

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Thanks!