

"What is Software Engineering"

Relevel
by Unacademy



Agenda



Software development :
What | Why



Software jobs in 2022
and beyond



Full Stack
Development : What |
Why | How ?



Career trajectory of FSD



Deep dive of this FSD
Relevel course



Understanding the
structure of Relevel
test



Get your doubts clarified -
AMA

Software Development | What ?

Everyone Should Know How To Program A Computer, Because It Teaches You How To Think !

Steve Jobs

Software

It's basically the combination of instructions and data that tells the computer how to operate/execute

Activities involved for creating, designing, deploying and supporting above software is called as **Software development.**

Software Development | Why ?



Motivations :

- It brings great power. One can literally make anything, from a simple blogging website to a complex search engine
- Allows you to make your product/ideas reach all nooks and corners of the world.
- To become a software developer, neither does your age or self-perceived intellectual capability matters. So literally any one can become a Software developer. All it takes, is a computer, internet and the interest
- And the most important, a lot of money !!!! Software development jobs are one of the highly paid job offerings

Software jobs in 2022 and beyond



How software jobs has evolved in the last couple of years ?

Whole world has witnessed the unprecedented impacts of Covid-19. It has badly impacted almost all the countries and their economies. It had the similar impacts on the IT sector as well. Few of the major changes that happened in the last couple of years have been :

- Moving from offline to Online recruitment/interviews.
- Work from home getting well accepted.
- Distributed team and remote communications.



Software jobs in 2022 and beyond

High points of Software jobs in these testing times :

- When almost all the sectors saw decline, Software jobs almost remained immune to this Covid disruptions
- Software industry is built on the principle of change. When the whole world was going through the extremely tough phase of change, it was comparatively easy for the Software based jobs to adapt.

Software jobs in 2022 and beyond



Job prospects :

- Since most of the companies have realized the potential of the internet in this era of multiple lockdowns, more and more companies are getting online, meaning more software development opportunities.
- Demand for software developers has never been this higher. And this will continue for many coming years
- Whole world has accepted the possibility of remote working. This has opened global opportunities for everyone. What it means is, now we can sit in a small town in India and still work for an MNC operating from another part of the World.



Software jobs in 2022 and beyond

We know, there's a lot of opportunities in coming years, but is it really easy ?

Challenges :

- Very high competition
- Evolving technologies
- Lack of awareness about the right technologies

So we need to have what the industry demands to be successful in 2022 and beyond !

Software Development



It's mostly used in the context of the Web Applications, for example : www.linkedin.com

A web application comprises of mainly three parts :

- Front end
- Back end
- Database

A Software development requires a good understanding of all these three facets of a Web Application

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Software Development



How to become a better Backend Engineer

- Understanding of Front End
 - Understanding of Back End technologies
 - Understanding of Databases
- +
- Computer Science fundamentals
 - Data Structure and Algorithms
 - System Design

In this course we have got you all covered. One of the World's best course to accelerate your career in the world of Backend Development



Software Engineer career trajectory

- Huge demand for the freshers and mid experience people for the software engineering roles
- Easy to adapt in any company for the software developer
- Hot favourites in the world of startups.
- Almost every company has the openings for the software developer
- Higher demands means higher salary. Software developer are being highly paid in the industry across the globe.
- Since software developer, touch multiple channels in a company, resulting in better contributions and higher growth.

A general BEDs career growth in a company might look like below :

BED I (0-2 years) -> BED II (2-5 years) -> Senior BED (4-7) -> Staff Engineer (6 -11) -> Senior Staff (10 +) -> Distinguished Engineer

** This is very generic and just for reference. The designation might change from one company to another*



What's in store, in this course ?

- In this course we have got you all covered. One of the World's best course to accelerate your career in the world of Backend Development
- It doesn't matter what your college major was, or where you are currently working. Neither does your age or self perceived intellectual capability. With our world class industry vetted curriculum, literally anyone can learn to program and succeed as a BED
- The course starts with the basics and takes you deep inside the intricacies of software development. We believe in learning by doing and in the process provides you the first hand experience of solving industry problems



Flow of the BED course

Programming Fundamentals - *Helps to get you ready for the course*



Ecommerce Application - *Learn by doing End to End Development*



CRM Application - *Learn by doing End to End Development*

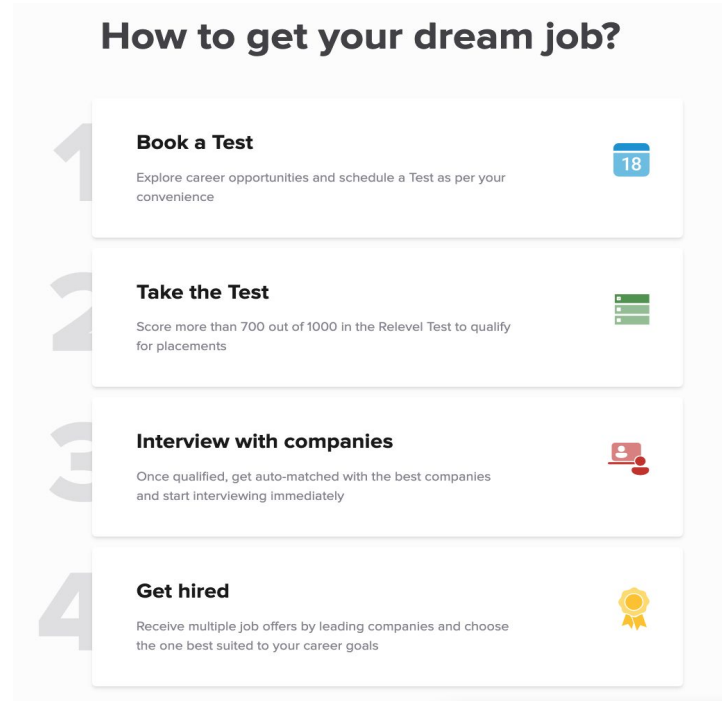


Movie Booking Application - *Learn by doing End to End Development*

Along the process learn :

- Computer fundamentals
- Practical understanding of database
- Data Structure and Algorithms
- System Design
- Resume preparations
- Interview readiness
- Relevel test preparation

Relevel - Backend Development Test



Relevel - Backend Development Test | Phase 1

Phase - I Get 150+ out of 300 to qualify for Phase II

ROUND 1

Back to basics
An MCQ round of 40 questions to test your knowledge of programming fundamentals

✓ 100 Marks ⌚ 45 mins

Programming Fundamentals

ROUND 2

Assess your algo
A DSA round with two problems to test your coding skills in a high pressure situation

✓ 200 Marks ⌚ 90 mins

DSA

Relevel - Backend Development Test | Phase 2

Phase - II Get 700+ out of 1000 to qualify for Relevel Placements

ROUND 3

✓ 250 Marks

🕒 120 mins

Building the back

Code Quality

Backend Development

A round designed to test your ability to build backend features for an existing web application

ROUND 4

✓ 250 Marks

🕒 120 mins

Creation of the front

Code Quality

Frontend Development

A round designed to test your ability to build frontend features for an existing web application

ROUND 5

✓ 200 Marks

🕒 60 mins

Face the interview

Programming Fundamentals

Fundamentals of Full Stack Development

An interview round with an experienced engineer to assess your knowledge on the specific tech stacks used for frontend and backend

Ask Me Anything

“If you think education is expensive — try ignorance.”

THANK YOU