

Relevel

# Fullstack Development



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# About Relevel

The coming decade is one of immense **opportunity for India** with a majority of our population under the age of 35 and the growing proliferation of global technology.

For a long time, India was known as the land of outsourced opportunities. The past decade however has shown that **Indians can build global products and businesses**. This is expected to grow manifold in the coming years provided we solve for one crucial element - **skilled talent**.

Today, there is a massive divide between aspirants looking for the **right opportunities** on one side, and companies vying for the best talent on the other. Historically exposure to opportunities has been defined by one's college, degree, or who they already knew in the industry. The events over the last year have only made the situation worse.

We believe it is high time that this changes for good! We believe that hiring should depend only on your capabilities and skills, not your college degree.

Being India's **Largest Learning Platform**, democratizing knowledge and access is a core tenet of the **Unacademy Group**. We are now extending that to opportunities through Relevel by leveling the playing field for millions of Indians. We imagine a future where candidates have a transparent path to the **career of their dreams**.

At Relevel, we believe **your history doesn't matter. Your skills do**. Your network doesn't matter. You do!

All the best. We know you can crack it!

# Why become a Fullstack Developer?

Every business is moving online today in order to reach more customers.

From using Swiggy to order food, Flipkart for almost everything else and Paytm to transact for all of this, technology has become an integral part of our daily lives across the last decade.

Developers are the heroes who spearheaded this. And we don't see that changing in the future!

Fullstack Developers handle both the frontend and the backend of an website. They define how to store the data and how to use the product.

If you like creating great user experience backed with a strong database management system that can handle millions of users daily, a career in Fullstack Development might just be what you're looking for! With Relevel Courses, you can now explore exactly what that will look like.



# Why Relevel Courses?



594 hours of Live Coding



3 End to End Web Apps



Learn from the best in the industry



Placement Mentoring



Hackathon like coding contests



Merit-based scholarships

# Learn: The Relevel Way



## **Doubt Solving Sessions**

Weekly educator-led doubt solving sessions along with Teaching Assistant-led doubt solving sessions 4-5 times a week ensure that your understanding is crystal clear.



## **Quizzes & Assignments**

Real learning happens only when we practice. Specially curated quizzes after each session for a life-long learning experience.



## **Periodic Proctored Tests**

Track how far you have come along in your endeavour to learn through these fortnightly tests.



## **Dedicated Success Managers**

To help you reach that finish line, and anything that comes enroute this journey.



## **Community Access**

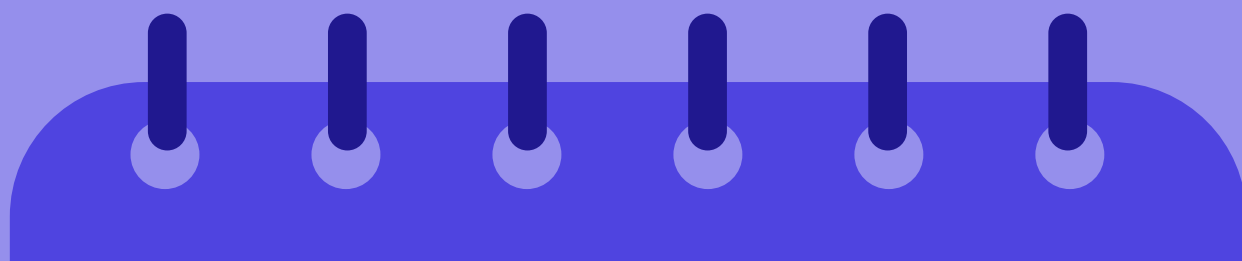
Learning by sharing. Connect with your peers and achieve your goals together.

# Is this for You?

If you're looking to start your career as a Fullstack Developer, or just pick up the necessary skills, you have come to the right place!



# Weekly Class Schedule



MON	TUE	WED	THU	FRI	SAT	SUN
<b>7 PM - 8 PM</b> Doubt Clearing Session by Teaching Assistant	<b>Off day for practice</b>	<b>7 PM - 8 PM</b> Doubt Clearing Session by Teaching Assistant	<b>Off day for practice</b>	<b>7 PM - 8 PM</b> Doubt Clearing Session by Teaching Assistant	<b>11 AM - 2 PM*</b> Session by Educator	<b>Guest Lecture/ Event/Doubt Session with educators/ Test</b>
<b>8 PM - 11 PM</b> Session by Educator		<b>8 PM - 11 PM</b> Session by Educator		<b>8 PM - 11 PM</b> Session by Educator	<b>7 PM - 8 PM</b> Doubt Clearing Session by Teaching Assistant	

\*Weekend session timings may change depending on the availability of the educator.



# Classes by Experts



**Mrigank**  
SDE 2, Atlassian



**Arnab Chakrabarty**  
Director and HOD Learning and  
Development, TOTSOL Technologies



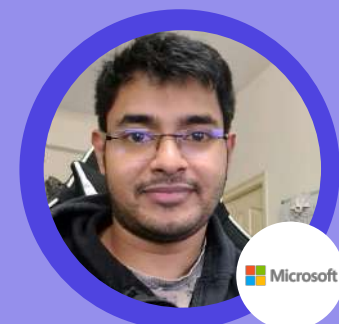
**Sanjeet Boora**  
SDE 1, Microsoft



**Sanket Singh**  
Software Engineer II, Google



**Sahil Chopra**  
Freelance Web Developer,  
Freelancer



**Nayanava De**  
SDE II, Microsoft

# Learn from Industry Leaders



**Shubham Nayyar**

Head Of Technology, OYO Vacation Homes



**Nitish Jha**

Head of Engineering, Gojek



**Gaurav Lahoti**

VP Engineering, Khatabook

# Curriculum Snippet



# Module 1

## Programming Fundamentals & Frontend Development

8 weeks

- 1 Introduction to HTML and CSS**  
Website Landing Page with animated logo.
- 2 Advanced CSS**  
Home page with product details, countdown apps, and animations.
- 3 Introduction to Javascript**  
Datatypes, Operators, Conditional statements, DOM manipulation and event handlers.
- 4 Functions and Classes in Javascript**  
Arrays, functions and recursion.
- 5 Introduction to React.js and rest APIs**  
Building the home page in JSX, Automatic addition of product cards, building pages using components.
- 6 Intro to Hooks and how to build custom hooks**  
Building the navigation and user authentication on login.
- 7 Introduction to redux**  
Product Details Authentication, Carousel in products.
- 8 Bug Testing and UI flow**  
Complete the frontend UI for the E-commerce app and test code for bugs.

# Module 1

Backend of an ecommerce website

6 weeks

## 1 Intro to Node.js, npm, node event loops, frontend and backend codebase

Home page with product details, countdown apps, and animations. Problem solving using loops and palindromes.

## 2 Authentication & Security, Generating Authentication Tokens, JWT

Designing the database to capture user login and capture product information. Problem solving using arrays.

## 3 Sorting, Pagination, Filtering, Callback chaining

Designing the database to capture an array of product cards displayed. Problems on time and space complexity.

## 4 Redis, MySQL, Creation and storage of events

Add Products to Cart, Events Tracking on each page. Problems on 1D arrays.

## 5 Introduction to System Design Queuing, database structuring in case of increased load

Login module and Product Details Page handling for 1 million users and products. Problem solving using 2D arrays.

## 6 Deploying the app, test functionalities

Intro to github, repository creation, Hosting on Heroku. Problem solving using dynamic programming.

# Module 2

Frontend of a sales CRM app

6 weeks

1

## HTML, CSS, Redux Forms, Oauth, Navigation using React

Home page with login, Account Details Page with Permissions.

2

## React Hooks, API integration

All contacts page, Contact Details Card with state (Active, Archived) button, Search and Filter functionality.

3

## React components and libraries

Task management page, reminders and notification feature.

4

## Problems on stacks and queues, Rest API, Server Management

Chat with contacts page, image/video upload on chat.

5

## React Hooks and Get API

Analytical Dashboard on Home, Page, Generation of .csv reports.

6

## React components, API integration

Email Contacts with file upload feature, Calendar page with edit/delete tasks functionalities.

# Module 2

**Backend of a sales CRM app**

**8 weeks**

- 1 Server, routing, frontend and backend codebase, Application requirements gathering**  
Home page with login, Dashboard page with navigation. Problem solving using Quick Sort.
- 2 Authentication & Security, Generating, Authentication Tokens, Database design, writing the API**  
Account Details Page with Permissions, All Contacts page with search and filter feature. Problem solving using binary search.
- 3 Introduction to SMTP, environment variables,Socket.io**  
Reminders and notifications emails, chat with contacts feature. Problem solving using binary search.
- 4 Graphs, Percentages, Pie charts Database design**  
Analytical Dashboard on Home Page, Calendar Page. Problem solving using stacks and queues.
- 5 System Design, queuing, and database structuring in case of increased load**  
Login module and contacts page for 1 million users. Problem solving using linked lists.
- 6 Advanced system design**  
Task Management page for 100k tasks. Problem solving using binary trees.
- 7 Queuing**  
Invoice Generation for a contact - 1 million users. Problem solving using binary trees.
- 8 Deploying the app, test functionalities**  
Intro to github, repository creation, Hosting on Heroku. Problem solving using dynamic programming.

# Module 3

Frontend of a movie Booking app

6 weeks

1

## HTML, CSS, Redux Forms, Oauth, Navigation using React

Home page with login, Account Details Page with Permissions

2

## React Hooks, API integration

All contacts page, Contact Details Card with state (Active, Archived) button, Search and Filter functionality

3

## React components and libraries

Task management page, reminders and notification feature

4

## Problems on stacks and queues, Rest API, Server Management

Chat with contacts page, image/video upload on chat

5

## React Hooks and Get API

Analytical Dashboard on Home, Page, Generation of .csv reports

6

## React components, API integration

Email Contacts with file upload feature, Calendar page with edit/delete tasks functionalities, Invoice generation for a contact



# Module 3

## Backend of a movie Booking app

8 weeks

- 1 Server, routing, frontend and backend codebase, Application requirements gathering**  
Home page with login, Dashboard page with navigation. Resume Building sessions.
- 2 Database design, Callback chaining**  
All movies - Product Page with category view, search and filter functionality. Online Profile building.
- 3 Handling HTTP requests, writing the API**  
Booking flow and seat selection. Preparation on common interview questions.
- 4 Database design, free text handling**  
Cancel Booking - (soft delete, hard delete) Create your own event page - Media + Text. Learn email writing and video resume creation.
- 5 System Design, queuing, and database structuring in case of increased load**  
Product Booking page with calendar view and availability - for 10k theatres, Problem solving using searching and sorting
- 6 Advanced System Design**  
Handling 1 million cancellations per month. Advanced problems on Binary trees, tries, greedy algorithms, hashing and graphs.
- 7 Responsive Web App, Media Queries**  
Optimization for mobile use, Writing test cases for backend code, Peer code review. Advanced problems on Binary trees, tries, greedy algorithms, hashing and graphs.
- 8 Deploying the app, test functionalities**  
Intro to github, repository creation, Hosting on Heroku. Advanced problems on 1D Dynamic Programming.

# Module 4

Placement Preparation

2 weeks

1

## Building your Resume and Portfolio

Home page with login, Account Details Page with Permissions

2

## Common Interview Problems and Questions

Solve common interview problems on DSA concepts like arrays, stacks, queues, binary trees etc. Also learn how to prepare for an interview.

# Placement and Career Support

With Relevel, you can now get a job in three simple steps



Qualify the Relevel Fullstack Development Test



Interview with a minimum of 5 companies



Receive an offer within 15 days!

paytm

yatra

CRED

meesho



shaadi.com

upGrad

Groww

GRAPHY

# Capstone Projects

Use your learnings to solve real business problems faced by some major companies.

## E-Commerce Application

Build a scalable online marketplace for sellers to upload new products and where users can buy anything from electronics to clothing.



## Sales CRM

Build a unified sales CRM to enable lead tracking, and manage your customers better.



## Movie Booking App

Build a website on which users can book a movie, a match, or any event of their choice at a location and price suitable for them.



# Course Details



Duration of the Course

11 months



Commitment Required

15 hours in a week



Course Fee

INR 85,000/-

What are you waiting for?

[Enroll Now](#)