# Software Testing

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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 Software Tester?

Software testing is among the most sought-after skills in the industry with high growth prospects, good learning opportunities, and great remuneration. It's a career where each day poses unique challenges and brings out the creativity inside you. As a software tester, you have to work in an agile environment and interact with multiple shareholders and developers which will help you in growing as a collaborator.

- **Constant Learning:** Software Testers are constantly improving & learning new skills. They get a chance to work on cutting-edge technologies before it reaches consumers. They play a critical role in the launch of new products / features & prevent escalations by consumers due to a broken feature / buggy product etc.
- **Flexible career path:** Software Testers have a strong understanding of business as well as technical requirements. This leads to endless opportunities in multiple directions. They also possess detailed knowledge on programming languages & can choose to move into software development careers.
- **Enormous Demand:** Most companies now realise the importance of proper testing before releasing new software into the market. Poorly tested and buggy software results in multiple product challenges, the most key of which is poor customer experience. Hence, companies across industries require such talent, resulting in huge demand for Software Testers in the market.
- **Growth Potential:** The average starting salary of a Software tester in India is INR 4.5 LPA. Top 10% candidates earn salaries as high as 8 LPA.

# Why Relevel Courses?

240 hours of Live Learning

15+ Live Testing Challenges to be solved

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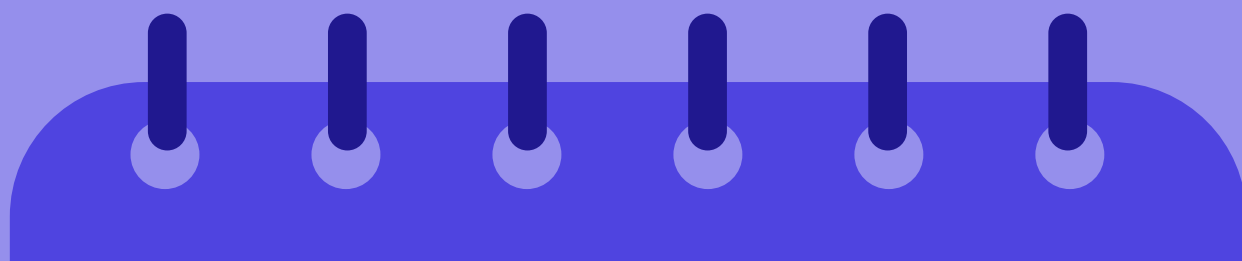
**Community Access**
Learning by sharing. Connect with your peers and achieve your goals together.

# Is this for You?

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

# Weekly Class Schedule

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

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

# Classes by Experts

**Prem K**
Software Engineer 2,
Confluent

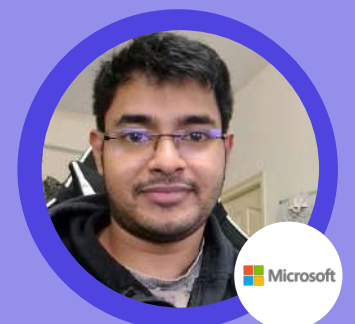**Nikhil Chandra**
Software Engineer 3,
Walmart

**Vaibhav Sharma**
Lead Software Engineer,
Adobe

**Lalit Jha**
Senior SDET, Swiggy

**Vishwa Mohan**
Staff Engineer at LinkedIn,
LinkedIn

**Nayanava Dey**
SDE II, Microsoft

# Learn from Industry Leaders

**Sandeep Gampa**
Principal Test Engineer, Oracle

**Nitish Jha**
Head of Engineering, Gojek

**Abhijit Jaiswal**
Staff Software Engineer, Walmart

# Curriculum Snippet

# Module 1

## Core Java

### 7 weeks

Java is the key programming language currently used in software testing. As a critical skill to have before moving into software testing tools such as Selenium, the course starts off with this topic. Proficiency in Java will ensure you are well equipped to step into test automation in the following modules.

**1** **Basics of Java**
Installation, Java overview, Java control statements

**2** **Object Oriented Programming**
OOPS concept, Data types, Arrays & problem solving on arrays, Classes and methods, Inheritance, Interfaces and packages, Exception handling, Debugging, Troubleshooting

**3** **Advanced Java Concepts**
Enumerations, Autoboxing and Annotations, Input output/file handling, Generics and lambda expression, Collections

# Module 2

## Software Testing Fundamentals & Automation Testing

### 8 weeks

Automation testing is the core of a software testers professional experience. This module starts with the fundamentals of software testing, covering key topics including Software Development Life Cycle, Types of software testing strategies, and more. Then, we briefly touch upon manual testing and how it is executed, before moving on to automation testing. The bulk of this module will be spent on automation testing using Selenium and its associated frameworks.

# Module 2 (contd.)

**1** **Software Testing Fundamentals and Manual Testing**
Software engineering concepts, Test cases and test case development, Defect life cycle

**2** **Automation**
Introduction to automated testing, Setup and installation of necessary automation testing tools

**3** **Selenium**
Test Dependencies and managing them, Browser capabilities of Selenium, Locators, Xpaths, Locator strategy, HTML attributes and their properties, Key commands, Assertion and verification with Java, Wait commands and sleep

**4** **Automation Frameworks**
Introduction to frameworks, Linear scripting framework, Modular testing framework, Library architecture testing framework, Data-driven framework, Keyword driven testing framework, Hybrid driven testing framework, Page Object Model, POM & Selenium Scripting Case Studies, Behaviour driven approach

**5** **TestNG**
Installation and overview of TestNG, Injection and usage of TestNG automation frameworks, Assertion and verification with TestNG,Unit testing and integration testing using TestNG

**6** **Maven**
Introduction and usage of Maven, Maven Lifecycle, Building class files, JARs, Builds and folder structure

# Module 3

## Backend Testing

### 3 weeks

After completing frontend test automation in depth, this module moves on to backend testing, which deals with the server side of an application. Backend testing typically includes 2 sub sections - API testing and database testing. We will cover both and reach beginner to intermediate level proficiency.

**1** **API Testing**
Client-server architecture and introduction to API testing, Operations and status of REST services, Manual testing using Postman, Test Automation using Rest Assured, Introduction to JSON, JSON Parsing, Response validation and other operations using Rest Assured

**2** **Database Testing**
Introduction, Types of database testing, Factors involved in database testing, RDBMS, SQL commands and complex SQL Scenarios, Writing queries

# Module 4

## Mobile Testing

### 2 weeks

This module primarily covers mobile app testing - a growing domain within software testing. It also covers overviews of performance testing and accessibility testing. This module will ensure nothing is alien to you when you start your career in software testing.

**1** **Mobile Testing**
Overview of Mobile testing, Types of mobiles testing, Test strategy, Manual testing in Mobile Apps, Devices - testing on iOS and Android, Setting up automated mobile testing, Key mobile testing frameworks, Automated test using Appium

**2** **Overview of Performance Testing**

**3** **Overview of Accessibility Testing**

# Placement and Career Support

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

Qualify the Relevel Software Testing Test

Interview with a minimum of 5 companies

**15 DAYS** Receive an offer within 15 days!

Paytm

yatra

CRED

meesho

tm

shaadi.com

upGrad

Groww

GRAPHY

# Capstone Projects

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

## Testing on Wikipedia

Run an Automated Testing Script on a Wikipedia page.

**WIKIPEDIA**
The Free Encyclopedia

## Ecommerce Website Testing

Perform Automation testing on a full featured ecommerce website with product search, cart addition, and checkout features.

**Flipkart**

## Automated Testing on Relevel Test Platform

Run Automated Testing Scripts on Relevel Login and Test Flows.

**Relevel**

# Course Details

| | | |
|---|---|---|
| ⏳ | **Duration of the Course** | **5 months** |
| 🤝 | **Commitment Required** | **15 hours in a week** |
| ₹ | **Course Fee** | **INR 40,000/-** |

**What are you waiting for?**

**Enroll Now**