



FULL STACK JAVA DEVELOPER

100% Job Guarantee Program

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ABOUT ROOMAN

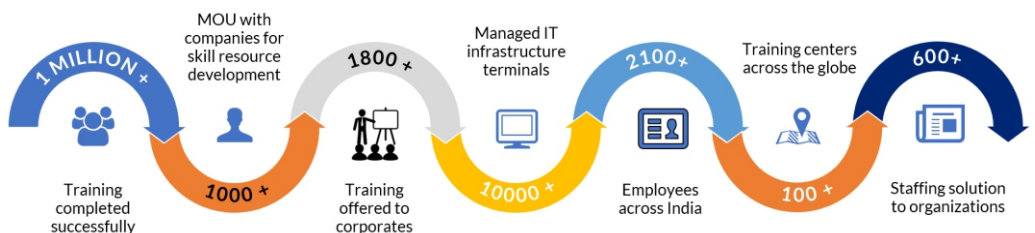
Rooman is an undisputed leader in the segment of employment linked training programs and IT certification with 22+ years of rich experience and global presence with over 100+ centers with India as primary focus.

Rooman is an ed-tech company that provides job guaranteed programs. Unlike traditional institutes, Rooman provides concept visualisation using animations, tech-enabled world-class skilling ecosystem and the pure joy of learning.

Rooman has emerged to be a strong force in nation-building by also partnering with the government of India, NSDC, NASSCOM, SKILL INDIA and many such esteemed bodies working in the grass-root level to make India the skill capital of the world.

[Know More](#)

Experience Summary



OVERVIEW



Who can take up?

Freshers / Experienced / Diploma /
Graduates / Post graduates in any
stream



Duration

500 Hrs
(2 Hrs/Day 12 Months, 4 Hrs/Day 6
Months or 8Hrs/Day 3 Months)



500 Hrs
of online training



150 Hrs of LIVE mentoring
& doubt clarification sessions



100+
lab assignments

Course Overview

Master fundamentals in core Java

Learn to code server side and create dynamic web pages using advanced Java

Master fundamentals in general purpose programming & scripting language – Python

Learn to design interactions, functional web pages using HTML, CSS and JavaScript

Understand the process of designing, managing & handling structured data in MySQL

Integrate third party APIs using Springs and Hibernate

Understand end to end process of building code, hosting and maintaining it

3 hours of the classroom
session on weekdays

Doubt Clarification
session

2 hours of hands-on
coding on weekdays

Talks from
industry
experts

Case Studies
solved on
every module

Mock interviews at
regular intervals

Daily
Assignments

Weekly
Assessments

A DAY/WEEK WITH US

TOOLS & TECH



LEARNING TRACK

01

Learn Core Java

Be a master in language fundamentals & competitive programming

02

Learn Advanced Java

Learn to code on the server-side and create dynamic web pages

03

Learn Python

Get a wide range of opportunities to create your career in different specializations like Artificial Intelligence, Deep Learning, etc

04

Learn HTML /CSS/ Javascript

Master to design, style & interact with the web pages.

05

Learn MySQL

Understand the process of designing, managing, and handling structured data.

06

Learn Springs & Hibernate

Learn to integrate different third party APIs in your application

07

Build Project

Understand the complete process of building code, integrating modules, hosting an application, and maintaining it.

08

Practice Aptitude

Build your logical and reasoning skill to crack the interviews

09

Learn Interview Etiquette

Learn a set of manners that is accepted in a profession.

DETAILED SYLLABUS

Core Java

- Language Fundamentals
- Data Types
- Introduction Object orientation
- Incrementation and decrementation
- Pattern Programming
- Arrays
- Strings
- String tokenizer
- Methods
- Method overloading
- Constructor
- Encapsulation
- Static
- Inheritance
- Polymorphism
- Access specifiers
- Aggregation and Composition
- Abstraction
- Interface
- Exception Handling
- Multi-Threading
- Producer-Consumer
- Collection
- Maps
- Boxing & Auto Boxing
- File Handling

- Enum
- Annotations

JDBC

- Introduction to JDBC
- Communication with backend and database
- Key Interfaces
- Steps for installing MySQL Connector, Property File
- Update Query
- Batch File
- Dynamic queries
- Transaction & Acid properties
- Store procedure
- In procedure
- In-Out procedure
- Meta-Data of Result Set

Servlets, JSP & JSTL

- Introduction to Servlets
- Difference between Web-Based and Distributed Application
- Difference between Static and Dynamic response
- Control flow of web.xml
- Service methods

DETAILED SYLLABUS

- doGet and doPost method
- welcome file list
- set and getAttribute in Request Dispatcher
- Forward() and Include() in Request Dispatcher
- Send Redirect
- Difference between Request Dispatcher and Send Redirect
- Session management in java
- Cookies in java
- Servlet context and Servlet Config
- Life Cycle of a servlet
- Calling servlet using annotation
- Filters
- Filter Chaining
- Introduction to JSP
- Working of JSP Engine
- JSP Tags
- Implicit Objects of JSP
- Handling Exception in JSP
- JSTL Tags
- The relation between hibernate and JDBC
- Program to Update Multiple lines (using HQL)
- CRUD Operations
- Writing SQL Queries in Hibernate
- Introduction to Mapping
- 1:1 Mapping
- Property tag in 1:1 Mapping
- Unidirectional and Bidirectional in 1:1 Mapping
- Many-to-One Mapping
- Multiple Programs using 1:1 Mapping and Many-to-One
- Many-to-One Mapping (bi-direction)
- Many-to-Many Mapping
- Programs Using Joinable
- Lazy Loading and Eager Loading
- Lifecycle of Hibernate
- Difference between get and load

Hibernate

- Introduction to Hibernate
- Benefits of Hibernate
- Explanation of Hibernate.cfg.xml File

Spring

- Feature of Spring, Spring Architecture, Inversion of Control

DETAILED SYLLABUS

- Dependency Injection (Constructor Injection, Setter Injection)
- Bean Scope, Bean Lifecycle, IoC (annotation approach)
- Constructor Injection, Setter Injection, Field Injection (annotation approach)
- Bean Configuration using Java Code
- Spring MVC Architecture, First MVC code
- Configuration of Spring MVC
- Control Flow of Spring MVC, Handler Mapping
- RequestMapping
- Data Transfer between Controller & View
- Request Param
- Spring MVC Form Tag Library
- Spring Validation

HTML/CSS

- Introduction to CSS3, Basic Selectors
- Working with Sizes, Colors and Files, Styling Text
- Web Fonts, Gradients without Images
- Advanced Selectors, Lists, and Navigation Menus

- Exploring Generated Content
- Transforms and Transitions
- Animating Elements with Keyframes
- Styling Tables
- Elements Positioning, Working with Layouts
- Multi-Column Layouts with CSS3
- Dealing with Cross Browser Layouts
- Media Queries, Print CSS3

BOOTSTRAP

- Introduction to Bootstrap framework
- Bootstrap CSS
- Bootstrap Layout Components
- Bootstrap JavaScript Plugins
- Using Bootstrap

MYSQL

- ER Diagrams
- Constraints
- Creating Database and Tables, Inserting Data, CRUD Commands

DETAILED SYLLABUS

- CRUD, Basic queries
- Refining our Selections- Like
- Single row Functions
- Aggregate Functions
- Group by, Having, order by clauses
- Sub Queries.
- Joins
- Set Operators
- Normalization
- Views, Index, Export, and Import using Scripts.
- Stored procedures, Triggers

JAVASCRIPT

- Introduction to web development and JavaScript
- JavaScript Essentials
- DOM Scripting



CAREER PROSPECTS

Technology today is an ever-evolving field especially when it comes to software application development. A developer plays a key role and is required to upgrade his skill sets regularly to beat the competition. Full-stack developers are experts who are familiar with both client-side and server-side programming. They perform the roles of front-end and back-end developers. While some may argue that they are no specialists, a talented full-stack developer wouldn't have much trouble handling development projects, hence always remaining in demand by technology companies.

Roles

- » Software developer
- » Front end developer
- » Backend developer
- » Full stack developer
- » Technical Architect associate
- » Technical Business Analyst

CAREER PROSPECTS

₹582,659 / year ▾

Avg. Base Salary (INR)



The average salary for a Full Stack Software Engineer is ₹582,659

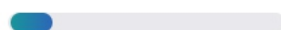
Base Salary ⓘ

₹276k - ₹1m



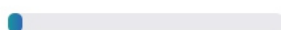
Bonus

₹10k - ₹204k



Profit Sharing

₹0 - ₹40k

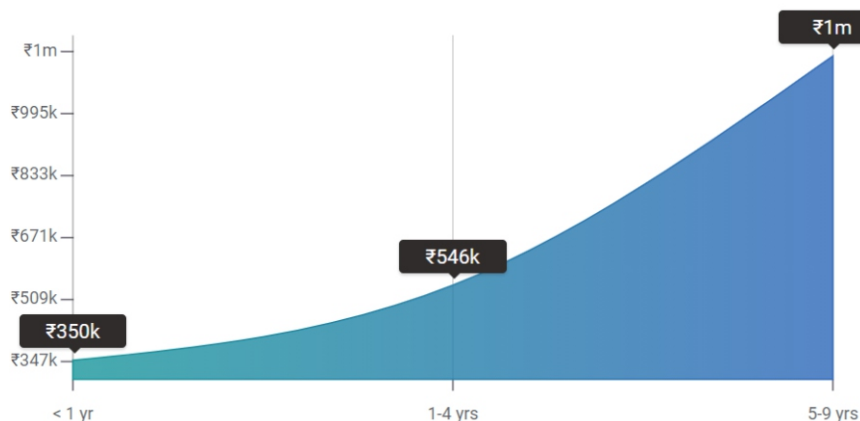


Total Pay ⓘ

₹276k - ₹1m



Based on 67 salary profiles (last updated Apr 27 2021)



SAMPLE CERTIFICATE



Student Testimonials



DEEPTHI

Front end Developer

Rooman Technologies is so amazing! From the instructors to the curriculum, everything is designed to give you the best learning experience. I would highly recommend Rooman.



SHRINIDHI A

Software Engineer

The best course out there if you want to learn a Full stack Java technologies in less time and one go. I would highly recommend Rooman Technologies.



USHAS RAJU

Software Engineer

Rooman is a good place for learning Full stack development. Aslo supportive staff and provides placement. Very good trainers. I would highly recommend Rooman.

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