



```
class Employee:

    def add(self, a, b):
        print('Sum = ', a + b)

class Department(Employee):

    def add(self, a, b, c):
        print('Sum = ', a + b + c)

emp = Employee()
emp.add(10, 20)
```

upGrad's 100% Job-Guarantee Post Graduate Certificate in Software Engineering

9 MONTHS

BLENDED

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ABOUT UPGRAD

- upGrad is an online education platform to help individuals develop their professional potential in the most engaging learning environment.
- With an exponential increase in demand for skilled individuals, we aim to upskill working professionals in the new-age emerging technologies.
- With our meticulously designed upGrad's 100% Job-Guarantee Post Graduate Certificate in Software Engineering (powered by Knowledgehut), we equip you with conceptual knowledge, give you hands-on experience and ensure you start a successful career in the industry.
- At upGrad, we aim to leverage technology in order to transform the way education is delivered in the digital age.



Our aim is simple:

We strive to create high-impact, hands-on experiences that will prepare you for an aspirational career and empower you to be the leader of tomorrow.

Ronnie Screwvala

Co-founder and Executive Chairman

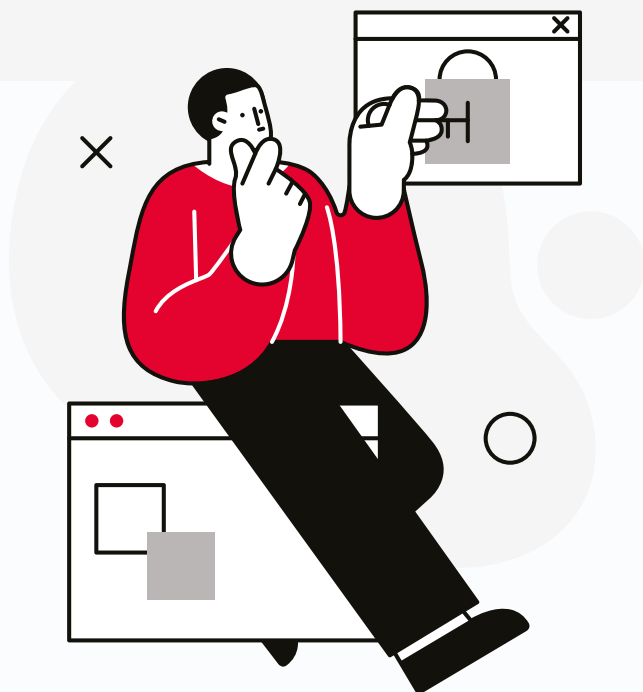
INTRODUCTION TO THE PROGRAMME



upGrad's 100% Job-Guarantee Post Graduate Certificate in Software Engineering is a 9 months programme that focuses on polishing skills in the tech domain, and employability. We are confident that every candidate can receive a placement offer if they successfully complete our programme.



This programme will help you build strong fundamentals of tools & environments such as HTML5, MongoDB, ExpressJS, ReactJS, NodeJS, Linux & Github. The training will be completely online with a mix of live and recorded sessions by industry experts. The programme will take the learners through a structured pedagogy consisting of elements like assignments, hands-on projects, assessments, aptitude and soft-skills training to make them employable in the tech domain. Learners have to complete all the elements and follow our placement guidelines to secure their first job in software roles.



WHY PURSUE UPGRAD'S 100% JOB-GUARANTEE POST GRADUATE CERTIFICATE IN **SOFTWARE ENGINEERING**



Build beautiful and responsive websites using HTML5 and CSS3



Master and build modular JavaScript applications



Build amazing UIs and web applications using React



Build and deploy scalable applications with Node.js and Express



Design and deploy NoSQL databases with MongoDB



Version control your code and assets using Git & GitHub

WHY PURSUE UPGRAD'S 100% JOB-GUARANTEE POST GRADUATE CERTIFICATE IN **SOFTWARE ENGINEERING**



Work comfortably with Linux
(*nix) environment



Cultivate an Agile mindset
and become a valued
Scrum practitioner.



Crack job interviews at top
tech companies.



Showcase demonstrable
skills with a stellar project
portfolio.



BOOTCAMP STRUCTURE



Pre-Boot Camp: An optional workshop for beginners

- Duration: 2 to 4 weeks
- Gear up with essential tech skills



Immerse yourself in Full-Stack Development

- Duration: 3 to 6 months, depending on training format 140+ hours of live instructor-led sessions
- 100+ Hours of on-demand self-learning
- 250+ Hours of Cloud Labs
- 120+ Auto-graded assessments
- 240+ Guided hands-on exercises
- 30+ Assignments
- 20+ projects and more



Build real-world capstone project from concept to completion

- Duration: 2 to 4 weeks
- Live review and feedback sessions
- Deploy your app on cloud and publish on GitHub

PROGRAMME CURRICULUM

Pre-Bootcamp: Essential Skills for Beginners

Get started with computer programming

Learn about the web industry and its key stakeholders

Get a grip on critical fundamentals before diving into Full Stack development

Web Design using HTML5 and CSS3

Learn the most fundamental languages that define the world wide web

Learn to build beautiful websites and user interfaces that work on a variety of devices and platforms

Build expressive websites, landing pages and more

Learning JavaScript

Master ECMAScript 2020 & above with this comprehensive course

Go from basics to functional & object-oriented JavaScript

Bring your web pages to life by adding interactivity and data-driven dynamism

Learn to interact with remote services and APIs

Learn to build modular JavaScript applications

Module Bundlers and the Development Toolchain

Learn to set up your development environment effectively

Learn and implement auto code formatting and linting

Embrace Babel and write next-gen JavaScript today

Learn all about module bundlers with Parcel & Webpack

Web Development using React

Master the most popular JavaScript library for building UIs and Web apps

Implement routing in a single-page application with React Router

Master global state management & transitions using Redux

Build data-driven applications with ease

Master the framework of choice for Facebook, Instagram, New York Times, Netflix, AirBnB, Microsoft and more

Camp Beta Project Masterclass

Build a React application

Deploy on the cloud and showcase to the world

Node.js

Learn to write server-side applications using JavaScript

Learn to build web servers, APIs and more

Master the Express framework for rapidly building web apps with Node.js

Build data-driven applications using MongoDB Atlas as the database

Master the platform that is used by LinkedIn, Netflix, Paypal,
NASA, Medium, Walmart and more

MongoDB for Developers

Learn all about the most popular NoSQL database in the world

Learn to effectively implement Create-Read-Update-Delete queries

Learn about schema design and data modelling

Learn about critical operations like sorting, aggregation, and lots more

Embrace the database of choice for Uber, Lyft, Accenture and more

Software Testing for JavaScript Applications

Learn to test your code so it doesn't fail in production

Learn to write unit tests using Jest

Build end-to-end (E2E) tests using Puppeteer

Level up your E2E experience with Cypress

Deploying Full-Stack Apps

Learn to set up a Full-Stack app for deployment

Go hands-on with deployment on major platforms like Heroku, Vercel, Netlify, AWS, Google and more

The Summit: Full-stack Project Masterclass

Build a production-grade full-stack application with your instructor

Implement all the bells and whistles like authentication, database integration, server-side rendering and more

Agile and Scrum

Discover the Agile way of building software

Learn about project lifecycle management with Agile

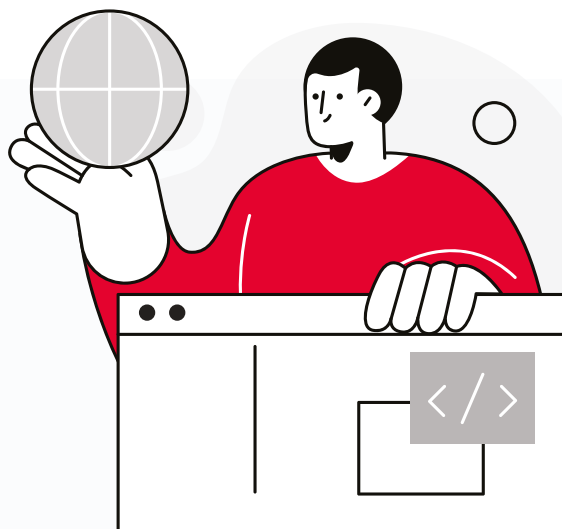
Embrace the SCRUM framework

Getting Ready for Interviews

Get expert advice on your portfolio

Fine tune your presentation skills

Get ready to succeed at job interviews



UPGRAD LEARNING EXPERIENCE



Outcome Orientation

- Own your growth trajectory with focus and structure and launch your full-stack developer career with confidence.
- Personalized career planning and coaching
- Mock interviews, analysis and feedback, resume building, LinkedIn, GitHub profile review



Learn by Doing it Yourself

- Hands-on Project Experience
- Discovery of best practices & workflows
- Dive into actual coding sessions



Immersive Learning

- On-demand videos
- Guided hands-on exercises
- Auto-graded assessments, recall quizzes assignments and projects



Availability of Cloud Labs

- Exclusive full-featured dev environment
- Powered by a pro-grade virtual machine
- Build apps, right in your web browser

PROJECT PORTFOLIO



Bookshelf

A social networking application like Facebook



Flixxit

A video streaming web app like Netflix



WeThePeople

A crowd funding platform



YardSale

An online marketplace like eBay



Black

A slack clone for messaging within teams



Chord

A Spotify clone with advanced features



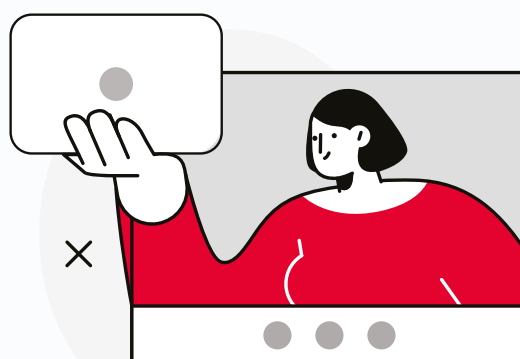
ChatChat

A WhatsApp-like messaging app



ShopPlusPlus

An Amazon clone with advanced E-commerce features



PLACEMENTS STATS

Average CTC:

₹4.5LPA

Highest CTC:

₹7LPA

COMPANIES THE LEARNERS WORK AT:

amazon

Deloitte.

EY Building a better
working world

AXIS BANK

KPMG

Uber

Razorpay

ZS

OUR LEARNERS



Shashank Mathur

Associate Software Engineer, Sapphire

All credit goes to the wonderful upGrad's 100% Job-Guarantee Post Graduate Certificate in Software Engineering. It helped me upscale my skillsets, identify possible job openings and finally achieve the job offer. I really appreciate all that upGrad has done for me.



Rajkumar Das

Associate Software Engineer, Sapphire

The course helped me upscale my skillsets, identify possible job openings and I really appreciate all that upGrad has done for me. While the world is still recovering from this pandemic, assuring young champs with "Job Assurance" is so comforting. Keep rocking upGrad with such wonderful programmes.



Ashish Tyagi

IT Trainee, FIS

My journey with upGrad was great. I got to learn technologies that would be beneficial for my career. The entire team of upGrad was supportive and guided me in all the stages from choosing the best programme to finally getting the dream job.

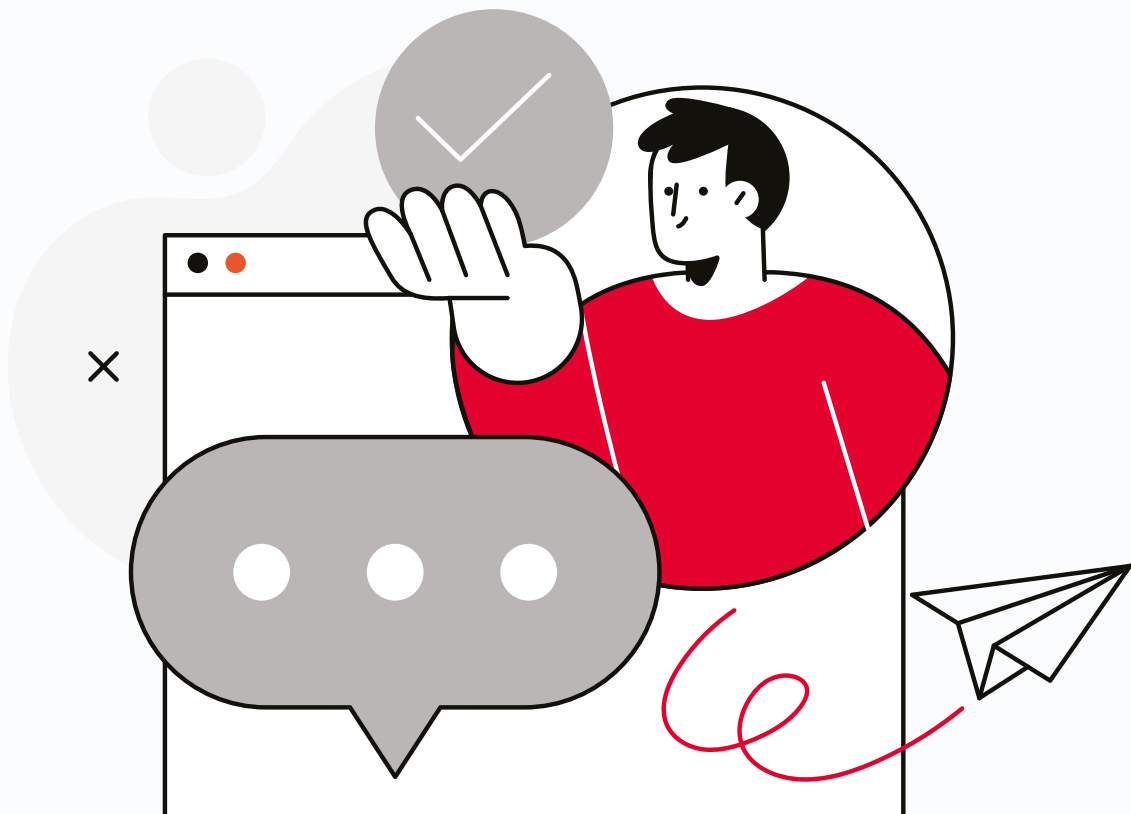
OUR LEARNERS



Muhsin Jamal

Software Engineer, Applicate AI

I would like to thank upGrad for helping me get a Software Engineer job. It was an amazing journey. I got so much to learn in these 3 months, the modules, assessment, employability tests were really helpful to gain practical knowledge on coding. I'm glad to be a part of upGrad and wish to continue to be a part of upGrad team. I want to thank each and everyone who were a part of my journey, journey. Thank you Radhika for your support throughout the course and looking forward to get the same support till the completion of the course.



PROGRAMME DETAILS



Programme Start Date

Please refer to the website



Programme Duration & Format

9 Months | Blended



Eligibility

Graduation degree before the end of the course



Fees

₹ 1,50,000 (Inclusive of taxes)



Selection Process

Step 1:

Complete your application

Application- The candidate shall require to apply on the portal to initiate the process of admission.

Step 2:

Get shortlisted and receive offer letter

Examination- The candidate requires to appear for and pass the admission test on the upGrad portal.

Step 3:

Block your seat and begin your prep course

The candidate can pay the fees, post receipt of the Offer Letter and start learning from the scheduled date.

Disclaimer: Program fee and payment options are subject to change. Please refer to the website for updated details or speak to our admission counsellor.

*In case of scholarship queries, request to please reach out to the academic counselor as the candidate has to go through the interview process.



For further details-



Write to us:
admissions@upgrad.com



Call:
1800 210 2020

We are available 24*7

upGrad Education Private Limited. Nishuvi, 75, Dr. Annie Besant Road Worli,
Mumbai - 400018, India.