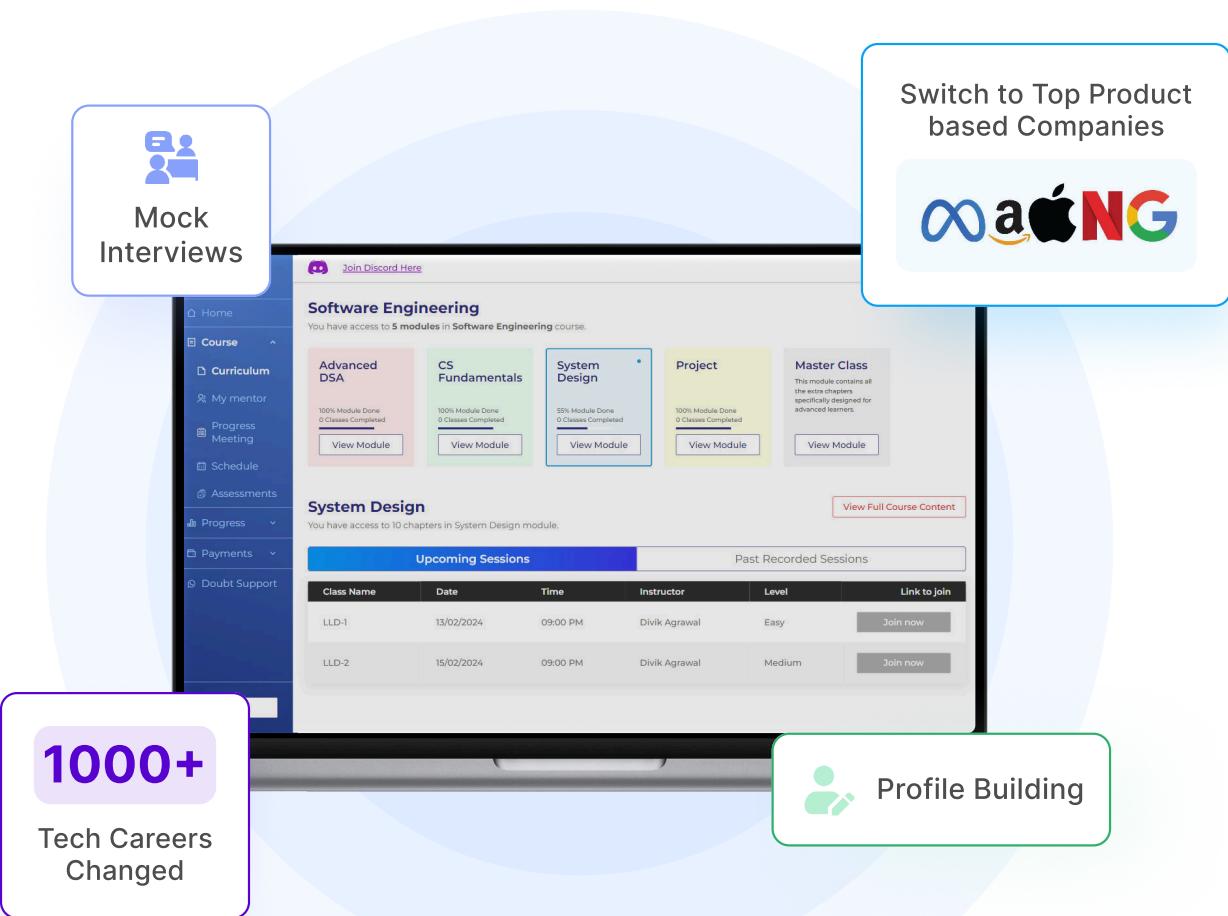


# CURRICULUM

# BROCHURE



Mock Interviews

1000+  
Tech Careers  
Changed

Profile Building

Switch to Top Product based Companies

Google, Amazon, Microsoft

Upskill & Ace in Your Tech Career

# About BossCoder

Bosscoder is an outcome-focused upskilling platform for tech professionals. Our industry-approved approach towards teaching helps our learners upskill & transition into their dream tech roles.

Learners enrolled with us are taught, guided, and mentored by engineers working at top product companies like Google, Microsoft, Amazon, Arcesium, etc.

Our Learners have witnessed an industry-leading hike of 120% with 6.25X ROI (Return on Investment).

## About BossCoder Software Engineer Program (Transformer)

Bosscoder Transformer is an industry-recognized program designed especially for working professionals that focuses on:

1. Building the RIGHT SKILLS required to crack top product companies.
2. Bringing CONSISTENCY in your upskilling journey.
3. Providing CLEAR DIRECTION & SUPPORT towards your goal.

Within our program, you will learn from live classes hosted by instructors working in top product companies.

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# Context

Over the past few years, there has been remarkable growth in technological innovations. Even in sectors where tech presence is least expected, such as agriculture, construction, and healthcare, technological advancement is accelerating growth and shaping the future.

With these rapid advancements, there has been a growing demand for skilled Software Engineers who can Design, Develop, and Implement software at scale.

In the year 2022, LinkedIn's Jobs on the Rise report found that software engineering was among the top 5 jobs that saw the most growth in hiring in the past year.

This is the reason that many software engineers are upskilling by acquiring the right skills, thereby getting set for immense growth in the tech sector.

However, software engineers face many difficulties while upskilling -

1. Unstructured resources which leads to shallow learning.
2. Lack of consistency resulting in lack of results.
3. Lack of right guidance leads to inefficient preparation.

We understand our learner's challenges & to overcome those, BossCoder Academy has made its mission to help them upskill and ace their tech career.



So far, we are proud to have helped 1000+ talented learners get top tech roles in top tech companies.

And what better way to say this than statistics of our results -

1. Salary hike for our learners is 120.34%.
2. Our learners are placed with an average CTC of 24.40 LPA.
3. Return on Investment (ROI) is 6.25x.

So, What makes these achievements possible for us?

## **#1) Our Structured Curriculum Focuses On Building The RIGHT SKILLS**

Our structured curriculum covers all the RIGHT skills required for a working professional to crack top product companies.

This includes Problem-solving in Data Structures & Algorithms, CS Fundamentals, System Design (LLD + HLD) & Full stack specialization.

Our curriculum is designed after analyzing what it takes to be a great software engineer, and it's regularly revised by industry experts.

## **#2) Our Program Brings Consistency To Our Learner's Upskilling Journey**

We make sure that our learners are consistent throughout their upskilling journey with BossCoder.



We make this happen by:

- Creating a learning schedule through live classes & assignments.
- 1:1 mentorship that brings clear direction & accountability for the progress.
- Peer Community & Regular Community session that creates a positive learning environment.

Consistency building the right skills over a few months helps our learners achieve remarkable results.

### **#3) Doubt Support + Placement Team Provides The SUPPORT Our Learners Need To Succeed**

Our 24/7 Doubt Support helps our learners stay unblocked and make continuous progress.

Our Placement Team works with our upskilled learners to get them interview opportunities from a diverse range of companies to finally help them secure a job offer.

Our ultimate aim with this course is to upskill you to become a Top 1% Software Engineer and achieve the best career outcomes.

Read on for more details.

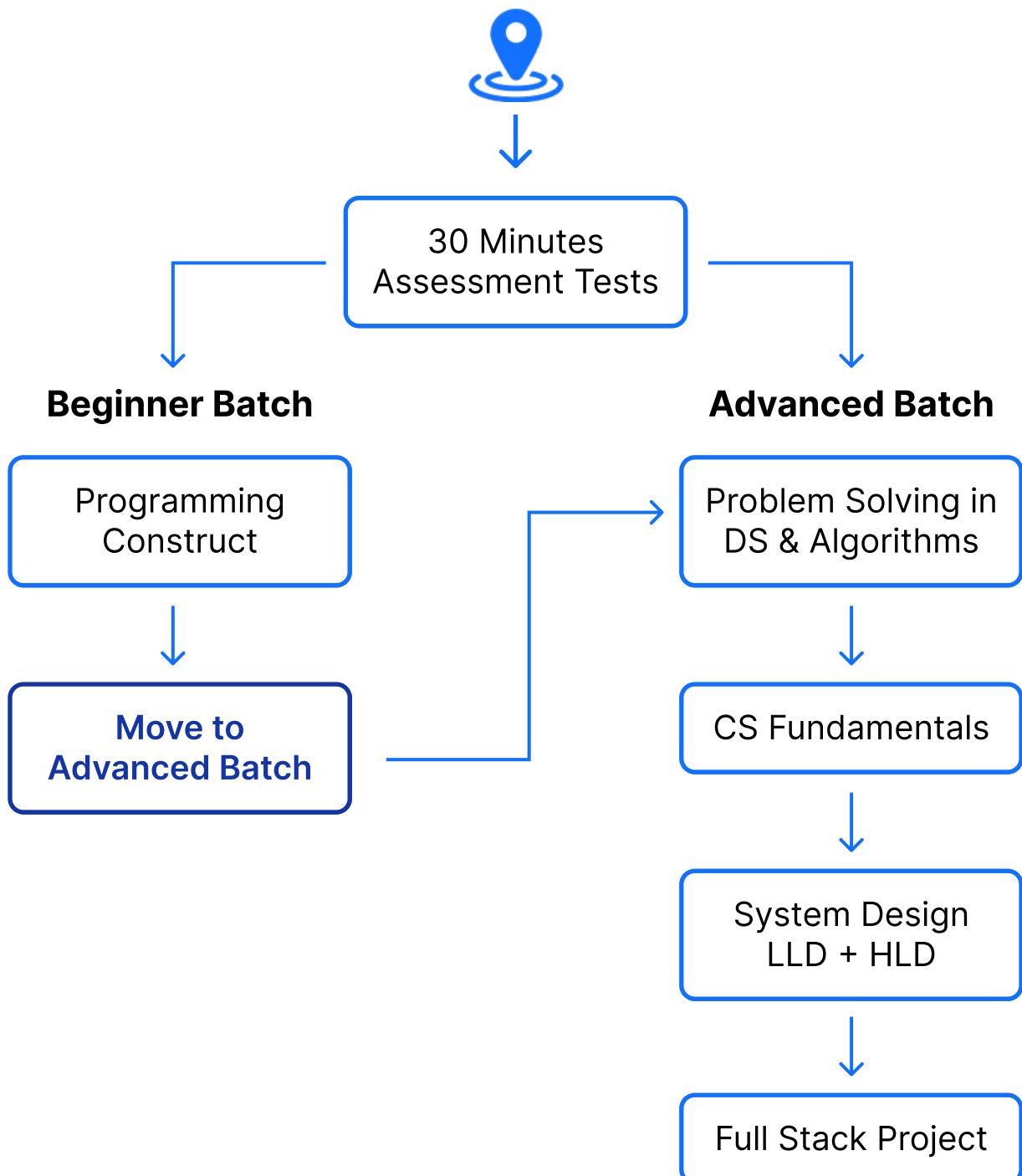


# Curriculum Deep-dive

For every learner, there are 2 learning paths.

Your learning path depends on your proficiency, it's that simple.

An initial 30-minute test determines which learning path the student would enter.



Let's explore all the modules in detail, one by one.



## MODULE - 0

# Programming Constructs

 Duration: 4 Weeks

For Beginner, it is first important to build command over programming constructs.

Within this module, our goal is to help you be confident with coding fundamentals.

---

Introduction to Programming

---

Input Output and Data Types

---

Operators

---

Conditional Statements

---

Loops

---

Pattern Problems

---

Functions

---

1D Array

---

Number System & Maths

---

String Implementation

---

Introduction to Data Structures

---

Time & Space Complexity





## Outcome

After this module, you will be confident in:

- Coding in 1 programming language
- Fundamental understanding of Data Structure & Time Complexity

## ★ USPs of our Delivery

- All topics taught in live classes with instant doubt support to accelerate learning.
- Assignment (post lecture) & their evaluation
- Hyper-Personalized: Special focus on individual with a constant touch from Student Success Manager & Mentor.

BOSSCODER



**Harshith Ravinoothala**

SDE at Synopsys



I decided to join BossCoder because of the structured curriculum. The syllabus consists of Data Structures and Algorithms, Computer core subjects like OS, CN, DBMS and System Design. And the instructors who are teaching are making sure that everyone understands the concepts well.

“ ”



## MODULE - 1

# Problem Solving In DS & Algo

 Duration: 15 Weeks

Problem solving in DS and Algo is one of the most important topic to master for a software engineer. That is why, we spend the first 15 weeks of our program ensuring you build a solid command over problem solving skill.

## Linear DSA

---

1D & 2D Array

---

Strings

---

Number System & Maths

---

Bit Manipulation

---

Binary Search

---

2 Pointers

---

Recursion

---

Hashing

---

Sorting

---

Link List

---

Stacks & Queues



# Non-Linear DSA

---

Trees

---

Binary Trees & Binary Search Trees

---

Heaps

---

Greedy Algorithms

---

Dynamic Programming

---

Graphs

---

# Advanced DSA

---

Tries

---

Segment Tree

---

String Pattern Matching

---

Advanced DP & Graph Problems



## Outcome

After this 15 weeks module, you will:

- Feel confident in your problem solving skills
- Develop pattern recognition skills required to crack hard level DSA problems
- Be interview ready with DSA to crack top tech companies.



## ★ USPs of our Delivery

- Hyper-personalization: Depending on student specific learning pace, multiple revision classes are organized.
- Assignment (post lecture) & their immediate evaluation help to compare your performance against peers.
- Focus is not just on solving & remembering questions but to help students build intuition behind concepts, enabling them to identify patterns easily.
- Special focus on difficult topics like Dynamic programming and Graphs.
- Weekly contest & regular Mock interviews to understand your conceptual understanding and give feedback.



**Rachit Arora**

Head of Engineering at Soptle



After completing the DSA part with the help of BossCoder, which was covered in the first few months, I gained a lot of clarity and confidence in each topic. Eventually, I got number of offers from Product Based Companies

”

## MODULE - 2

# CS Fundamentals

 Duration: 2 Weeks

Our code runs on hardware devices. So, in order to design & implement our high level solutions on machines that understand low level in an optimal & reliable way, we should have understanding around core CS topics.

Databases

---

Computer Networks

---

Operating Systems

 Outcome

Gain fundamental understanding of crucial CS topics like Concurrency, threading, SQL vs No SQL, Normalization, Networks.

## ★ USPs of our Delivery

- Live lectures from industry experts sharing the practical application of CS fundamental topic in software development lifecycle.
- Assignment (post lectures) & their evaluation



## MODULE - 3

# System Design - LLD + HLD



**Duration: 9 Weeks**

As a software developer, we are responsible for:

1. Writing a clean, maintainable, modular code that is easy to understand & extend.
2. Designing services capable of scaling to millions of active customers with high reliability & fast access.

Within this module, we learn these 2 skillset with hands on experience & multiple case studies

## Low Level Design (LLD)

---

Object Oriented Programming

---

SOLID Principles

---

Design Patterns

---

UML Diagram

---

Schema Design

---

API Design

---

Case Studies – Matching Coding Interviews



# **High Level Design (HLD)**

---

Architecture Design

---

Distributed System

---

Domain Name System (DNS)

---

Load Balancing

---

Consistent Hashing

---

CAP Theorem

---

Caching

---

Content Delivery Network (CDNs)

---

Transactions

---

SQL vs NoSQL

---

Scalability

---

ZooKeeper + Kafka (Distributed Messaging Queue)

---

Microservices

---

Security

---

Case Studies





## Outcome

After this 9 weeks, you will be able to design system capable of scaling to billions of users and participate in design discussion confidently.

## ★ USPs of our Delivery

- Multiple 1:1 discussion with expert (e.g. senior engineers at top tech companies)
- Hands on learning experience
- Solve multiple real life case studies in live classes & understand the tradeoffs of designing a system.
- Understand the internals of complex systems like distributed Queues, Distributed file system, Microservices, etc.



**Sourabh Bhavsar**

SDE 3 at PayPal



Bosscoder Curriculum puts a lot of emphasis on LLD, HLD, and system design concepts, which are a must in top companies. The quality of teaching is very admirable, and there is a simplicity to explaining concepts that helps in better understanding them.

“ ”



## MODULE - 4

# Full Stack Specialization With Project



**Duration: 8 Weeks**

As a software engineer, we build products which can scale. In this module, you will gain hands on experience of building a project from scratch & implement the LLD + HLD perspective in real projects.

---

HTML, CSS, Javascript

---

JS for Web Development (DOM Manipulation, Events)

---

React

---

Redux

---

Git

---

NodeJS

---

Backend Architecture

---

MVC Framework

---

API Design

---

Creating modules, data access layers, controller, views

---

Creating microservices



#### **Hands-On Projects You Will Be Building:**

##### **Netflix-Like Streaming Platform - Frontend**

*(HTML, CSS, Javascript, React, REST Api)*

1

- Learn web development fundamentals, including HTML for structure and CSS for styling.
- Use JavaScript to add dynamic interactivity to the UI.
- Utilize React to build scalable and maintainable user interface components.
- Manage application state and props, and handle user events in React.
- Conduct API requests to fetch data dynamically, mirroring real-world streaming services.

##### **Amazon-Like Ecommerce Platform - Backend Using Node.Js**

*(Node.js, MongoDB, REST Api)*

2

- Develop a Node.js-powered backend for an Amazon-like application.



- Implement MongoDB for database operations and data storage.
- Design and utilize RESTful APIs for server-client communication.
- Integrate authentication and authorization for secure user access.
- Handle CRUD operations and data validation effectively.
- Establish efficient server-side logic for a seamless user experience.

## Zomato-Like Food Ordering App - Backend Using SpringBoot

(*SpringBoot, MVC, REST Api*)

3

- Construct a scalable backend for a Zomato-like app using Spring Boot.
- Apply the MVC framework to organize code and enhance maintainability.
- Design RESTful APIs for robust server-client interaction.
- Utilize MongoDB for efficient data storage and retrieval.
- Ensure seamless handling of CRUD operations for restaurant listings and reviews.





## Outcome

After these 5 weeks, you will have hands on experience of designing and coding scalable products.

You will be a great software developers.

## ★ USPs of our Delivery

- Real-world applications provide learners with hands-on real world experience.
- Gain hands-on experience on LLD & HLD
- 1:1 discussion with your mentor regarding project improvements.



**Arushi Jain**

SDE at Atlassian



This excellent curriculum helped me to invest my efforts in the right direction. Mentor sessions and mock interviews have helped me identify my weakness to work upon and has also enhanced my confidence for the actual interviews.

“ ”





# Get Placed at Top Tech Companies

Once you have upskilled yourself to become a great software engineer, it is important that we now focus on getting you interview opportunities from diverse companies.

**This process is usually in 3 Modules:**

Build a strong profile



Get Diverse Opportunities



Crack Interviews

We focus on all the above 3 objects in this Module.

## 🎯 Final Result

You getting placed at one of the top tech companies like Google, Microsoft, Amazon, Apple & sharing us a personal review of your journey with us.

**This process will be continued until you get placed.**



# Placement Plus

## Key Advantages of BossCoder Placements



### 1. Build Strong Profile:

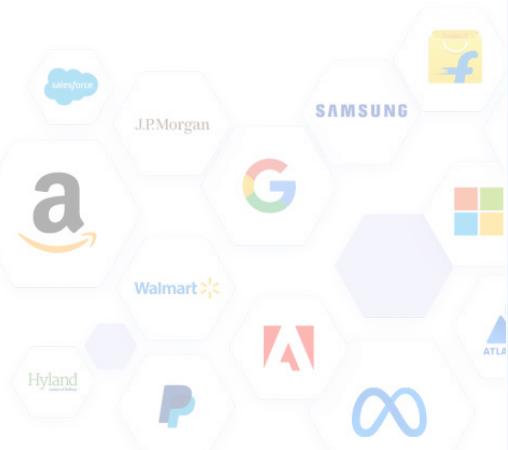
- Resume building guidelines designed for SDE roles + resume reviews.
- Profile building sessions on LinkedIn, Naukri, Instahyre, and other hiring platforms.
- Handling objections.

### 2. Get Diverse Opportunities:

- Tie-ups with 200+ corporate partner companies.
- Collaborations with consultancies hiring for top tech companies.
- Referrals from alumni & mentors community.
- Sessions on how to effectively apply yourself to get more opportunities.

### 3. Crack Interviews:

- On-demand mock interviews with mentors before a specific interview.
- Do's & Don'ts of interviews.
- Handling behavioral questions.
- Sessions on effective salary negotiation.

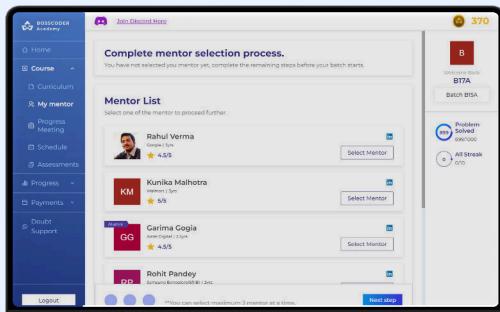
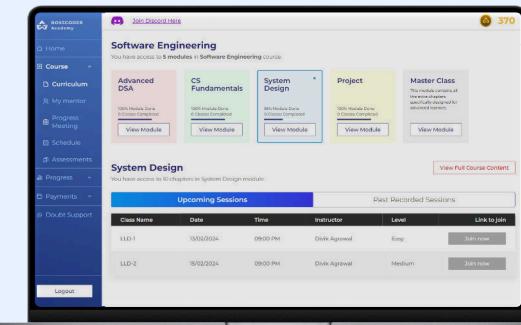


# Bosscoder Benefits

Our USP is the trust top professionals have in us. And with a salary hike of 120.34% - it's a thumbs up for our learners as well.

## Personalized Learning

We believe in personalized learning experiences, and your personal success manager will ensure the same.

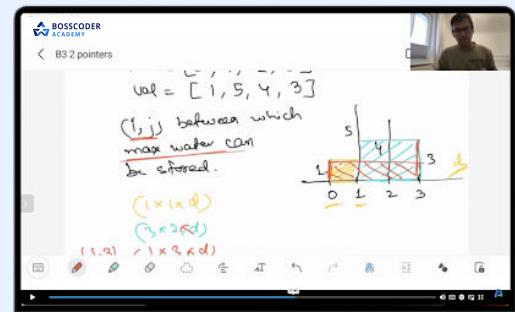


## 1:1 Mentorship

1-on-1 sessions with a mentor that knows the industry deeply, will help you achieve heights and upskill like never before.

## Live Classes

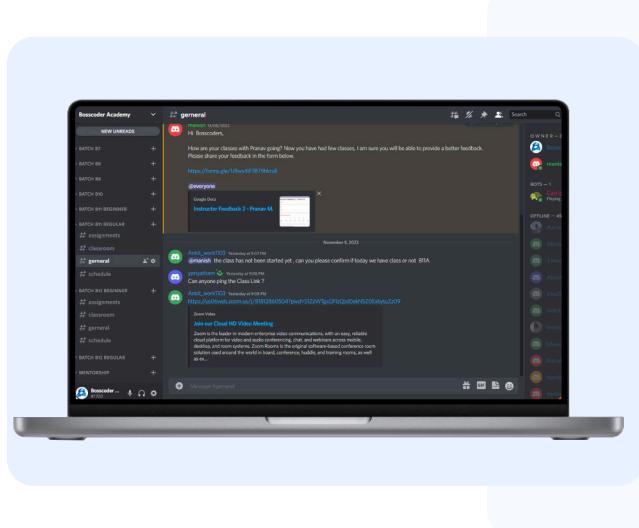
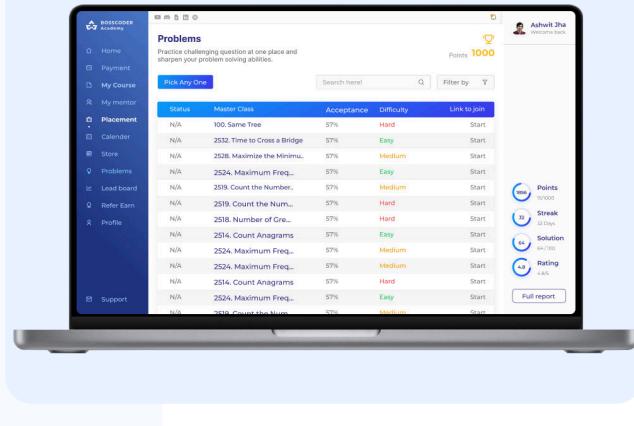
All the classes inside the course will be taught live by instructors having experience working at top tech companies. Our optimal batch size ensures you get your doubts cleared in real time inside the classes.



# Bosscoder Benefits

# Regular assignments

Regular assignments after every lecture will ensure you remain consistent ,and if you get stuck in a problem - 24x7 doubt support is just a click away.

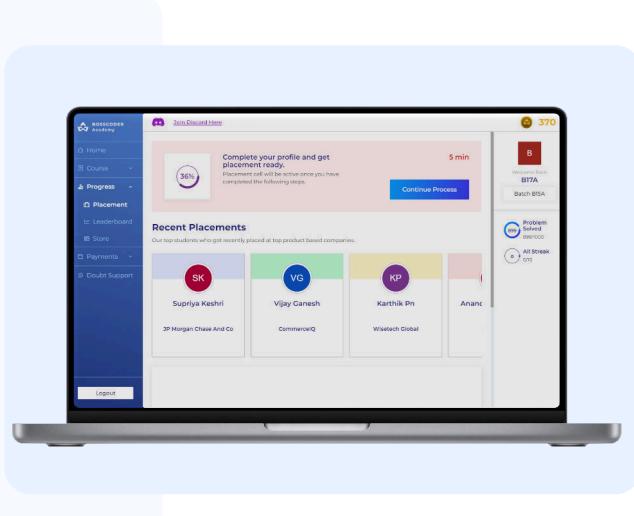


## Motivated Community

Thriving & growing community of learners colleagues who have the same ambition as you. Bond with future top software engineers over group sessions.

# Recruitment Team

Once you upskill to ace an interview, our Recruitment team works with you to provide diverse opportunities. Our recruitment team provides 360 deg profile optimization, resume building, referrals, direct opportunities, salary negotiation, etc.



# Program Outcome

**926**

Learners Placed

**6.25x**

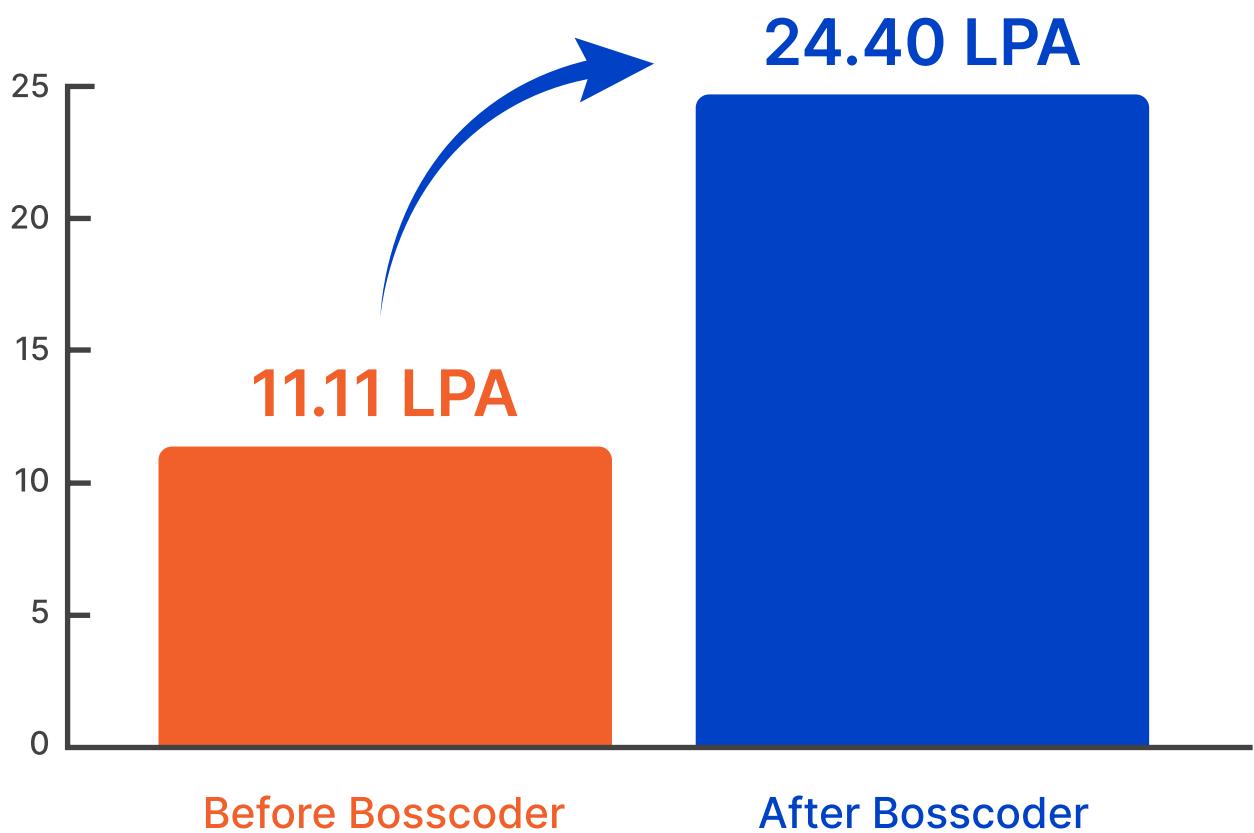
Return on Investment

**98 LPA**

Highest Package

**120%**

Salary Hike

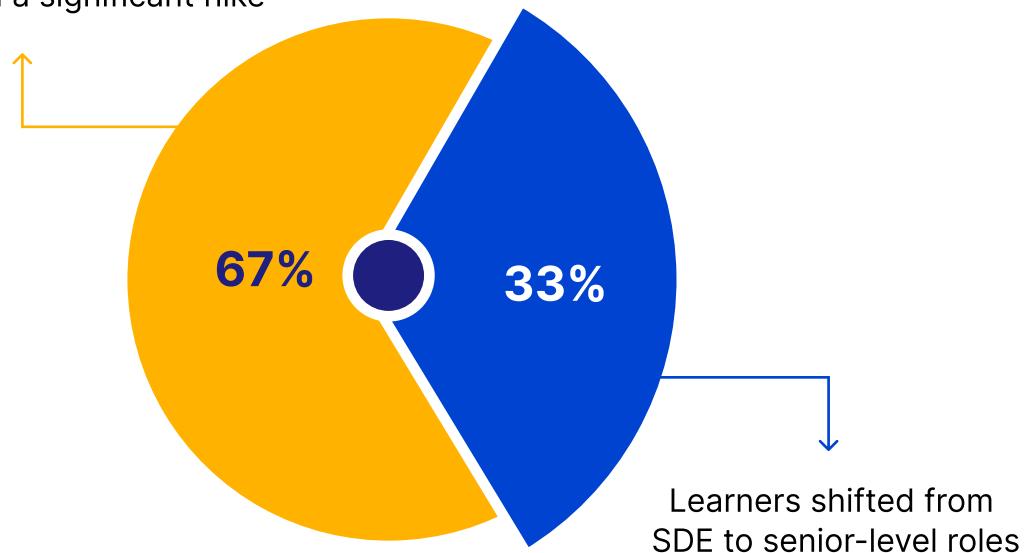


Average CTC

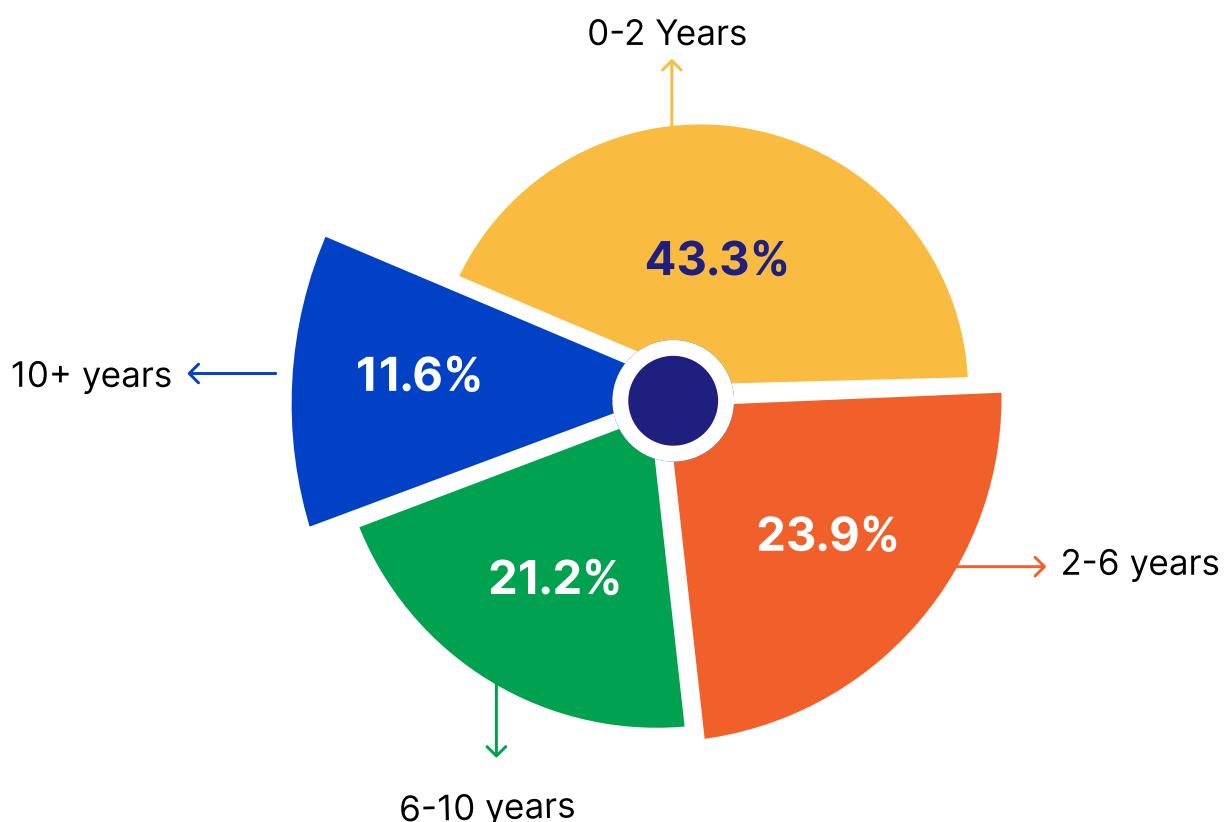


# Bosscoder Learners' Transition

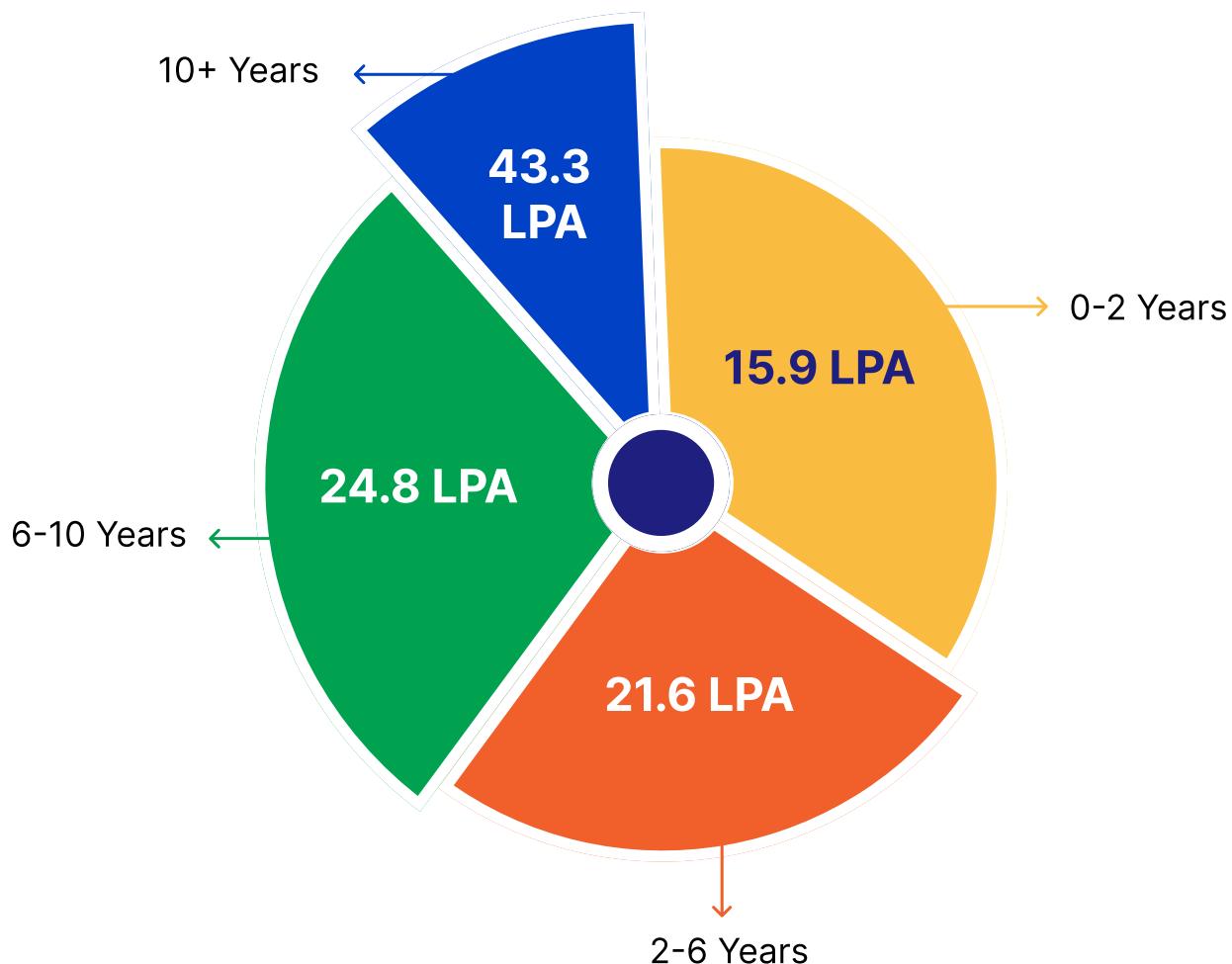
Learners shifted to a product-based company with a significant hike



# Bosscoder Learners' Experience



# Average CTC Based On Years Of Experience



## Tabular Representation

Experience	Pre BossCoder	Post BossCoder
0-2 years	8.15 LPA	15.9 LPA
2-6 years	9.06 LPA	21.6 LPA
6-10 years	12.05 LPA	24.8 LPA
10+ years	15.2 LPA	43.3 LPA

# Bosscoder Alumni's Thoughts

## Experience: 0 - 2 Years



**Vishal Srivastava**

1 yr exp. | ★★★★★



Doing self-prep, I couldn't even pass online assessments of Top companies, But the change Bosscoder Academy brought into my preparation is phenomenal. Crucial topics taught in Live classes like DSA, HLD, and LLD, and my personal mentor's guidance ensured I clear my dream company.

“



**Rohal Kurup**

2 yrs exp. | ★★★★★



Joined Bosscoder Academy for DSA after struggling with self-learning. Their structured curriculum, mentor sessions, and mock interviews significantly improved my problem-solving skills. Boosted confidence resulted in successfully cracking Dassault System. Highly recommend for guidance and support in your learning journey.

”



**Yash Kadtan**

1 yr exp. | ★★★★★



**Arcesium**

Bosscoder Academy's software program impressed me with its well-structured plan and insightful live sessions led by top professionals. The attentive mentors addressed all my doubts, enhancing my interview preparation significantly.

”



# Bosscoder Alumni's Thoughts

## Experience: 2 - 6 Years



**Ujesh Nada**

3 yrs exp. | ★★★★★



I self-prepared DSA for 8 months, without any results. I joined Bosscoder Academy since I wanted to be mentored by industry experts, and it proved to be a great decision for my DSA and System Design preparation. Their I-on-I mentor sessions and Live classes helped me transform my career.

“



**Dheeraj Barik**

4 yrs exp. | ★★★★★



Working in Infosys, I was looking for a platform to prepare for interviews Of product-based companies. I found Bosscoder has a highly structured program covering DSA, System Design etc. in detail. Top-quality instructors and mock interviews proved helpful for me.

”



**Agniva Dutta Chaudhary**

4 yrs exp. | ★★★★★



I wanted to join a top product based company but could not be consistent in my preparation. As a beginner, Bosscoder Academy helped me grasp important concepts of DSA and System Design. By being consistent, I received offer from AppDynamics (Cisco), PayU, JP Morgan & Chase and Hyland.

”



# Bosscoder Alumni's Thoughts

## Experience: 6+ Years



**Sumedha Khandelwal**

7 yrs exp. | ★★★★★



Having 7 years of experience, I always believed there is more to achieve in my career but failed in technical interviews. Bosscoder helped me gain confidence to face technical interviews and I received many offers. Mock interviews and mentor feedback helped a lot.

“



**Niranjan**

10+ yrs exp. | ★★★★★



Bosscoder Academy's affordable program, mirroring expensive alternatives, provided structured learning, experienced mentors, and a supportive community, helping me identify and overcome my mistakes for successful preparation.

”



**Supriya**

7 yrs exp. | ★★★★★

J.P.Morgan

Their effective curriculum enabled me to secure multiple offers, including my choice at JP Morgan. Bosscoder's structured approach and cost-effectiveness facilitated my transition from front end to full stack.

”



# Bosscoder Alumni's Thoughts

## Video Testimonials

### BOSSCODER SUCCESS STORY



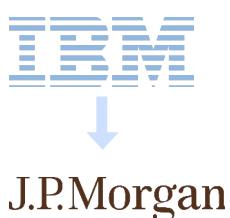
Niranjan Bagade  
10 Yrs Exp.

### BOSSCODER SUCCESS STORY



Siva Kumar  
3 Yrs Exp.

### BOSSCODER SUCCESS STORY



Lakshmi Susmitha  
7 Yrs Exp.

# Meet Your Instructors & Mentors

## Learn from Industry Veterans

Our instructors and mentors are highly rated by working professionals upskilling with us.

They are working at top product companies & have experience working on industry scale Software Development projects.

They are also familiar with the best ways to crack these companies.



### Manish Garg

Exp: 5 yrs.

*Co-Founder of BossCoder | Ex. Samsung, Quoori*

Presenting Manish Garg, an IIT Dhanbad alumnus, has had an impressive tech career. From Samsung's Machine Learning engineer to collaborating with Android's founder at Essential and leading Quoori's speech department, his journey is remarkable. With nine years of teaching experience, Manish is dedicated to education and mentorship.



### Rajat Garg

Exp: 3 yrs.

*Co-Founder of BossCoder | Ex. Microsoft*

Introducing Rajat Garg, an esteemed graduate of NIT Delhi from the class of 2019. Rajat embarked on his professional journey at Microsoft, playing a pivotal role in expanding PowerPoint's web services, catering to an impressive 200 million monthly active users. With a solid foundation of six years in teaching, Rajat is dedicated to education and mentorship.



# Meet Your Instructors & Mentors

## Learn from Industry Veterans



### Ashish Prasad

Exp: 10 yrs

#### *Senior Software Engineer at Microsoft*

Ashish is a seasoned Senior Microsoft Software Engineer with almost a decade of expertise in designing enterprise-level software. Proficient in object-oriented programming, he excels in the entire software development life cycle, from analyzing user requirements to deploying and maintaining diverse projects across multiple business domains.



### Akshat Gupta

Exp: 3 yrs.

#### *SDE at Arcesium*

Meet Akshat Gupta, an energetic Software Engineer with 2+ years of experience contributing to the complete product development lifecycle. His proactive approach and insatiable curiosity have led to the successful launch of multiple products. Akshat is dedicated to continuous self-improvement and embraces new possibilities with enthusiasm.



### Lekshmana Perumal Murugan

Exp: 11 yrs.

#### *SDE at PayPal*

Meet Lekshmana Perumal Murugan, an esteemed Software Developer from PayPal with an impressive 11-year tenure. Specializing in Payments and E-Commerce, Lekshmana is not only a seasoned professional but also a passionate contributor to open source projects, dedicated to fostering social change.



# Meet Your Instructors & Mentors

## Learn from Industry Veterans



**Vikas Sharma**

*SDE at Microsoft*

Exp: 8 yrs

Meet Vikas Sharma, a distinguished alum of NIT Allahabad with a degree in Computer Science and Engineering. Vikas boasts over 9 years of extensive industry experience.

Vikas has successfully built platforms leveraging cutting-edge technologies such as Azure, AWS, .NET, Spring, C#, Java, CI-CD, SQL, Queue, SAP, and Multi-threading.



**Geetika Gupta**

*SDE 3 at Amazon*

Exp: 18 yrs.

Meet Geetika Gupta, an accomplished software engineer with 18 years of expertise in full stack development and technical leadership. Specializing in backend development, Geetika has successfully led diverse teams, delivering impactful solutions across projects of varying scales.



**Vikas Bharti**

*Engineering Manager at Walmart*

Exp: 14 yrs.

Vikas Bharti is a results-oriented professional with 13+ years of diverse experience in full-stack development, project management, and software implementation. Specializing in Java, Nodejs, React, and data modeling, Vikas is an expert in cloud computing and AWS.



# EMPOWERING “OUT OF SCHOOL” CHILDREN



For every BossCoder program enrollment, we contribute 1% towards the education of ‘out of school’ children.

## Changing Lives: Our Impact Stories



SANDHYA'S  
STORY

Sandhya dropped out of school & had to do household chores & begging to support her family.



AMIT'S  
STORY

Amit (here, age -34) studied in school till 5 but has to drop out to earn and support his family.

1st girl in Basti to go out to Pursue education, completed 12th while working & now pursuing BSW in IGNOU. Amit has now joined us a Community Leader as well as a facilitator in Truck Union Basti.



Upskill Now and Shift to

Top Product-Based Companies

Reach out to us at  
[ask@bosscoderacademy.com](mailto:ask@bosscoderacademy.com)

↓ Check out our ↓

Placement Brochure