

Advanced Certificate

Full-Stack Development

Learn all the essentials to become a Full-Stack Developer. iGuroo's hands-on learning approach will make you confident to apply the concepts in the real-time scenarios.



About iGuroo

iGuroo is a technology company in the education industry that aims to help learners by providing personalized learning, career guidance and mentoring services.

We offer live instructor led training supported and complemented by large pool of self-learning material which is continuously updated as per the industry standards. iGuroo connects students, professionals, subject matter experts, coaches and mentors under one platform and enables guided, specialized and personalized interactions.





Comprehensive coverage

With iGuroo, you have the advantage of learning all the aspects of Full-Stack Development. Our Trainers are real-time professionals who had and have been handling projects from diverse industries with varied requirements



Personalized Mentoring

Apart from class-room instruction, you can subscribe for a personalized mentoring services with iGuroo's industry experts who will bring in practical ground scenarios and mentor you to make you crack interviews



Dynamic Assessments

We have built a dedicated Assessment platform for our students loaded with assessments similar to those conducted by some of the large IT companies. You will have enough opportunity to practice in order to excel in selection processes



Capstone Project

You will get the opportunity to work on real-time project to showcase the knowledge and skills you have gained. iGuroo's industry experts monitor your work and hand-hold you throughout the Project



Placement Assistance

iGuroo has strong connections with the industry, evident by the fact that we collaborated with one of the top IT companies, Info Services which works with some of the Fortune 500 companies like General Motors, ADP, Disney, Ford, HBO and many more



Career Progression Services

Once you are part of iGuroo, you will continue to avail our services. We keep posting you the suitable requirements in the industry, suggesting, if required, to upskill yourself. You will continue to be part of iGuroo family

What is **full-stack** development?

It is a process which handles two separate web development domains, viz., Front-end and Back-end. The Front-end comprises the visible part of the application. The Back-end includes logic of how the system functions, where the data is stored and how it flows.

Who this program is for?

Full stack development is for those ambitious people who aspire to build their career in multiple dimensions of software development

- ✓ Any engineering graduate
- ✓ Any graduate with logical thinking ability who wish to enter IT industry
- ✓ Working professional who wish to transition his/her career to faster growth segments

Enhance your knowledge

- ✓ Build a website entirely by yourself
- ✓ Setup your database models and start serving dynamic content on your HTML pages
- ✓ Write code for the front-end as well as back-end environments
- ✓ Create, access and manipulate databases and execute queries through SQL
- ✓ Manipulate all the back-end functions



What skills are required to become a Full-Stack Developer?



SDLC

Stands for Software Development Life Cycle. You are required to be familiar with SDLC process models, Agile methodology and Scrum framework

Back-end Programming

Though you can learn PHP, Python or Ruby, the most popular choice for the industry is Java, thanks to its multi-purpose utilization scope.

DevOps GitHub

Git allows the Full-Stack Developers to track all modifications done to the application codebase. Git helps to better collaborate with other developers

SQL

Required to know how to search, create, update, delete and manage data in a Full-Stack Application

HTML/CSS

Required to determine the look and feel of a website to create interactive, intuitive and engaging Front-end Application

Java Script

It is useful to add numerous features, including functions and prototypes to create responsive web pages

Front-end Frameworks

It's a collection of Java Script code libraries. Most popular frameworks are Angular, React and Node.js. Required to be familiar with at least one of them

Microservices

They are the set of applications which has capabilities to create a modularized architecture. They promote efficiency, consistency and quality in the workflow.

Course Curriculum

1. Core Java

- ✓ Introduction to Java Programming
- ✓ Programming Constructs In Java Arrays, Strings, Functions
- ✓ Introduction to Object Oriented Programming
- ✓ Inheritance, Abstract Classes & Interfaces
- ✓ Other OOPS concepts & Exception Handling
- ✓ String Pool, Date -Time, IO operations
- ✓ Collections & Generics
- ✓ MultiThreaded Programming
- ✓ Lambda Expressions, Working with Streams

3. Adv Java

- ✓ Introduction to web backend development
- ✓ JEE, Key technologies in JEE, JEE application architecture
- ✓ Working with Servlets
- ✓ Working with basic architecture of Spring Boot & Applications
- ✓ Implementing MVC in Spring Boot
- ✓ Exception Handling in Spring Boot
- ✓ Introduction to JPA and ORM
- ✓ Working with ReST APIs

5. SQL

- ✓ Creating Tables and working with Insert, Update, Delete
- ✓ Working with Queries, Sub-Queries & Correlated Sub-Queries
- ✓ Numeric & String Functions
- ✓ Aggregate functions, Group by, Having & Order by clauses
- ✓ Working with different types of Joins

2. Web Technologies

- ✓ Introduction to HTML
- ✓ Working with Forms & Controls
- ✓ Playing with Images & Tables
- ✓ Introduction to CSS
- ✓ Playing with Color, Text, Boxes, Layouts
- ✓ Basics of JavaScript,
- ✓ Working with Objects like Numbers, Boolean, Strings
- ✓ Document Object Model & Event Handling
- ✓ Multimedia & Image Map
- ✓ XML, JSON, Ajax & Promises in JSON

4. Microservices

- ✓ Different kinds of Architectures in Microservices
- ✓ Integrating with Cloud technologies
- ✓ Working with API Gateways
- ✓ Working with Resilience & Circuit Breaker Mechanism
- ✓ Spring Boot Reactive Programming
- ✓ Working with Spring Web Flux

6. React JS

- ✓ Introduction to React.js, JSX syntax, and DOM
- ✓ State and props in React components
- ✓ Understanding the React component lifecycle
- ✓ Styling React components with CSS, CSS-in-JS, and styled-components
- ✓ React Hooks (useState, useEffect, etc.)
- ✓ React Router for client-side routing
- ✓ Making API requests using fetch or Axios in React
- ✓ Handling asynchronous data loading with useEffect and async/await
- ✓ Error handling and loading indicators in React apps
- ✓ Caching data and optimizing API calls in React

Advantages for the Learner

- ✓ All-in-one solution
- ✓ Industry focussed delivery
- ✓ Become industry ready
- ✓ First break in the industry
- ✓ Stable career path
- ✓ Highly rewarding
- ✓ Faster growth
- ✓ Flexibility to transition
- ✓ Flexibility to upgrade
- ✓ Knowledge of latest trends



Program Highlights

- ✓ Hands-on coding and execution to enhance learning effectiveness
- ✓ 360° coverage of all the full-stack concepts to make you an effective programmer
- ✓ Dynamic assessments to test your knowledge and logical competency
- ✓ Trainers with the right mix of training and industry experience
- ✓ Exclusive mentoring sessions with industry stalwarts
- ✓ Real-time projects for you to know the ground reality
- ✓ Resume support & mock interviews to make you more confident to secure a job
- ✓ Placement support and career progression services
- ✓ Engaging brain storming sessions to get into the depth of the concept
- ✓ Training content is contemporary and relevant as per the current industry trends

Our Industry Experts come from

			
		J.P.Morgan	
			
			
			
			

Some of your Mentors

Seshu Kumar

(Trainer, SME & Mentor),
Senior Architect,
Driving projects in Retail industry

Jaya Kumar M

(SME & Mentor),
Head of Engineering,
Driving projects in Entertainment industry

Shekar M

(SME & Senior Mentor),
Operations Director,
Driving projects in Automobile industry

Srini K

(SME & Senior Mentor),
Vice President,
Driving projects in Entertainment industry

Rahul Jain

(Communication & Life skills Trainer),
Senior Toastmaster,
Entrepreneur & Life Coach

Testimonials

“ The hands-on approach of training by iGuroo trainers is the best thing. This approach helped me a lot. I didn't have to read and refer many books. I only had to keep doing it. That's the way I have mastered the concepts. I strongly suggest this approach of learning for the new learners. My best wishes to you! ”



Sakthivel Saravanan

UI Designer, Full stack developer,
AWS certified solutions architect-associate

“ I am very studious in my college. However, I found that what I have learnt as part of my academics is far from what the interviewers were asking. Then, I have enrolled into iGuroo's FSD course and started learning the concepts in depth. The best thing with my trainer is that he made me do so many tasks and assignments, so that, I grew stronger in the subject and technology. I was cleared in 2 companies immediately after my training. I owe it to iGuroo team. Thank you! ”



Padma Priya

MERN stack developer, JQuery,
AWS certified solutions architect-associate

“ I am Girish. I got the opportunity as a Trainee in a company immediately after my college. I decided to put in few extra hours every day to refine my skills in software engineering. My fascination with software development grew multiple times after I joined iGuroo. Thanks to the methodology and support system. I am grateful to the team for helping me lay down my career path clearly. ”



Girish Madheswaran

Full stack developer, 2 X AWS certified

“ My dream of becoming software engineer has come to reality after I cleared 4 levels including the client interview in the very first company which I have attended. I am deeply indebted to iGuroo for helping me learn the concepts and guiding me so well. ”



Bushra Nasir

Software engineer, AWS certified



Certificate

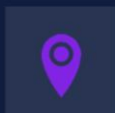
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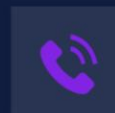
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