

It's time to give wings to your career in

# FULL STACK Development

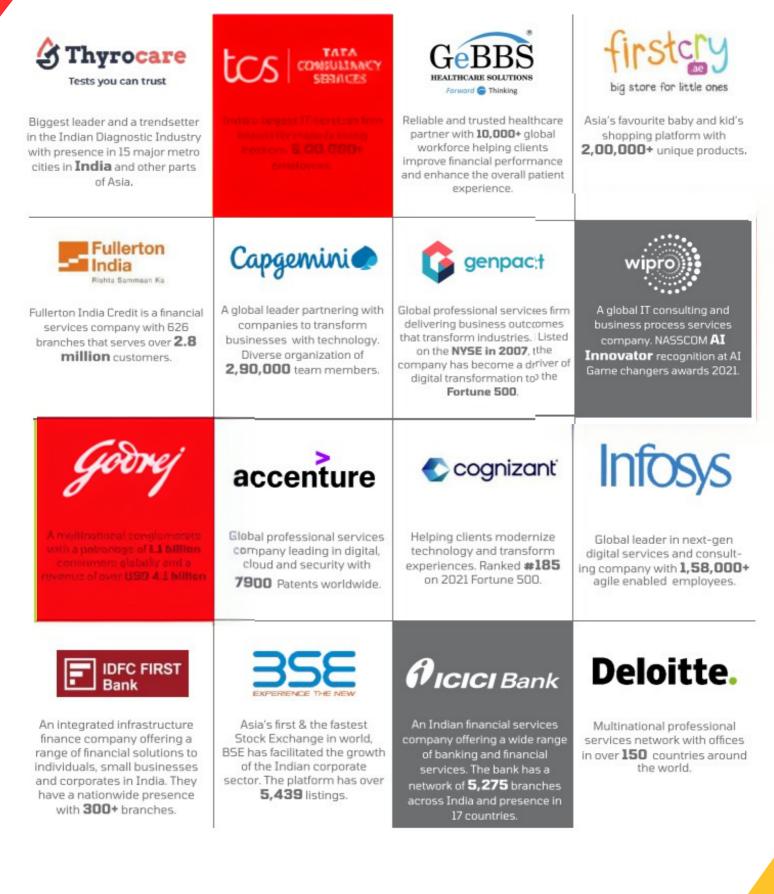


CERTIFICATION PARTNERS

IBM

aws

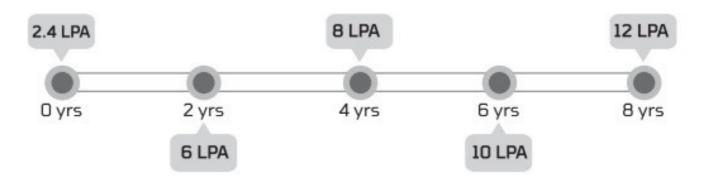
# **Get Placed In**



### And Many More...

# Know your future growth as **Full Stack Developer**

### **Glassdoor**Salary Range



### Job Roles You Can Apply For

Full Stack Developer	Backend Developer	Frontend Developer
Software Developer	Django Developer	Python Developer
Java Developer	Software Tester	SQL Developer
Jr Developer	Angular Developer	Software Engineer
JOB METER		
+	QL Core Java 7 Jobs 7,222 Jobs	+ +
+	ngo MongoDi Jobs 1,075 Jobs	- ++
Angular Pytho	- + +	Scrum Jira 3.136 Jobs 390 Jobs
1,283 Jobs 8,702 Jobs 948 Jobs 3,136 Jobs 390 Jobs   Manual Testing Junit Testing PyTesting AWS Cloud Total Jobs		
4,507 Jobs 1,877 J	obs + 161 Jobs +	3,136 Jobs 43, 173 Jobs



# FULL STACK DEVELOPMENT COURSE CURRICULUM

### FRONTEND

#### HTML5 & CSS 3

Text formatting Tags | HTML Structures - List, Tables | HTML Forms | GET VS POST | Fieldset and Legend Tag | Types of CSS |CSS Selectors | CSS Properties | HTMLS elements | Audio, Video tags | CSS Advanced Properties | CSS3 Properties |Transition Properties | Keyframe Animation | Responsive Layout | Media Queries

#### JavaScript

Variables and Datatypes | Control Structure | Functions | Anonymous Function | Arrow Function | JavaScript Objects | Window - Screen, Location, History | Document Object | DOM Property Manipulation

#### Bootstrap

Layout and Content | Bootstrap Components | Bootstrap Utilities | Bootstrap Icons | Forms| Utilities | Form Grid | Gutters | Horizontal Form | Horizontal Form Label Sizing | Column Sizing | Auto-Sizing | Inline Forms

#### Angular

Basics of Typescript & Angular | Angular Components | Data Binding | Pipes & Strong Typing | Directives | Component Communication | Dependency Injection & Services | RxJS & Calling API | Routing and Navigation | Forms - Template Driven Forms | Forms - Reactive Forms, Custom Validators | Angular Modules | Integration with Angular Material | Building & Deploying Angular Application



#### SQL

Database Management System | SQL Syntax | Data Manipulation Language | Data Query Language | Built in Functions in SQL | Sub-Query & Joins | Stored Procedure and Function | Cursor | Triggers

#### MongoDB

What is NoSQL? | Difference between SQL and NoSQL | What is MongoDB? | Installing MongoDB on Local Machine | Data Types in MongoDB | Using MongoDB Shell | Perform CRUD Operations in MongoDB Finding Documents | Using Projection | Various MongoDB Operators | Aggregates in MongoDB Queries

### **PROGRAMMING LANGUAGES**

#### Foundation

Computer Programming | Algorithms | Flowcharts | Conditional Statement | Iterative Statement

#### **Python Programming**

Python Programming Variables, Operators and Datatypes | Conditional Statement | Looping Controls | More on Data types | Function and Modules | File Handling and File Operations | Object Oriented Programing with Python | Error Solving in Python

#### Core Java

Variables, Data Types | Operators & Tokens | Control Structures & Looping | Arrays | Object Oriented Programing with Java | Strings | Exception Handling | File Handling & IO | Wrapper Classes | Object Serialization | Collection Framework & Lambda Expressions | Filtering Collections | Multi-Threading & Thread Life Cycle | Java New Features | JavaTime API | Java HTTP Client API

### **MVC FRAMEWORKS**

#### Django Framework

Django Architecture | Django Request - Response Life Cycle | Django Project Structure | Django View | Django Template | Django Template Language | Static Website Configuration in Django | Linking Bootstrap & JavaScript | Linking JavaScript | Django Model | Django Admin | Django Form | Django Authentication and Authorization | Session Management

#### Spring Boot

Spring Core Concepts | Spring MVC and Spring Boot | Creating & Running Spring Application | Creating REST APIS | Validating the Request | Database Integration & JPA Repository | Using Data REST, Pagination & Sorting | Relationships & Projections | Security | Security - Registration & Login Flow | File Upload & Download | Create Frontend to Consume APIs



#### **SDLC & Agile Methodology**

Project Life Cycle | Use Case Creation | ER Diagrams | Activity Diagram | Agile Way of Thinking | Agile Introduction | Agile Manifesto and Principles | Various Popular Agile Approaches

#### Scrum

Scrum Framework | The Sprint | Scrum Roles | Sprint Planning | Daily Scrum | Sprint Review | Sprint Retrospective

#### Jira

What is JIRA? | Creating Project in JIRA | Creating User Stories & Sprints in JIRA | Filtering in JIRA | Kanban Board

### SOFTWARE TESTING

#### Manual Testing

Types of Testing | Error, Bug, Defect and Failure | Functional vs Non-fuctional Testing | Test Cases Template | Bug Tracking tool

#### JUnit testing

The JUnit framework | How to Define a Test in JUnit? | JUnit Naming Conventions | Run Your Test from the Command Line

### CLOUD DEPLOYMENT

#### **AWS Cloud Practitioner**

Cloud Concepts | Cloud Economics | AWS Global Infrastructure Overview | AWS Core Services - Compute, Storage, VPC, Database, Balancing, Scaling, Monitoring | Cloud Security | Cloud Architecting | Cloud Support

# **INDUSTRY PRODUCTS**

#### **Recipe Recommendation Website: Survey Data Analysis Tool: Recipe Recommendation Website:** 11/ Create a web application that allows Build a simple web-based tool for Develop a website that recommends users to input survey data and recipes based on user preferences. tracking personal finances. Users can generates visualizations and insights. Users can input their dietary input their expenses and income, and Users can upload CSV files containing restrictions, favorite ingredients, and the tool generates visual reports to help survey responses, and the app cuisine choices, and the site suggests users understand their spending habits. processes the data to create charts, recipes using data analysis and graphs, and summary statistics. machine learning algorithms. Weather Data Visualization: Movie or Book Recommendation Site: **Online Learning Platform Analytics:** Create a website that fetches weather Develop a website that recommends Design a system that tracks user data from an API and displays it in a movies or books based on user activity on an online learning platform. user-friendly format. Users can view preferences. Use collaborative filtering Analyze data to provide insights to current weather, forecasts, and or content-based recommendation users and administrators, such as historical weather data visualized algorithms to suggest items based on progress tracking, popular courses, or through charts or maps. past user ratings or preferences. areas where students might need more help. **Local Events Aggregator:** Language Learning App: **Social Media Analytics Dashboard:** Create a website that aggregates and Build a web app that helps users learn Develop a simple dashboard that displays information about local a new language. Implement quizzes, collects and analyzes data from social events, such as concerts, workshops, or vocabulary lists, and interactive media platforms. Users can track their community gatherings. Users can exercises based on user progress and social media engagement, follower search for events based on their data-driven learning strategies. growth, or popular content using data location and interests visualizations



#### Fitness Tracker Web App:

Create a web-based fitness tracker that allows users to input their exercise routines and diet. The app can generate statistics, progress reports, and suggest improvements based on data analysis.

For these projects, students can utilize various web development technologies and frameworks like HTML, CSS, JavaScript, and popular libraries or frameworks such as React, Vue.js, or Flask/Django for backend

**And Many More** 

# **CAREER JOURNEY**





# WHAT OUR LEARNER'S SAYS



Undoubtedly the best decision I made for my career! The **full stack web development course** at Team Group Of Institutions is comprehensive and well-structured. The instructors are highly knowledgeable and provide hands-on training, making complex concepts easy to grasp. The practical projects helped me build a strong portfolio. Highly recommended for anyone looking to excel in web development.





I enrolled in the **full stack web development course** at Team Group Of Institutions, and it was a transformative experience. The curriculum covers all the essential technologies and frameworks, giving a well-rounded understanding of modern web development. However, I wish there were more industry-relevant projects to work on. Nonetheless, the supportive faculty and career guidance make it a worthwhile choice for aspiring developers.





Team Group Of Institutions offers an exceptional **full stack** web development course that equips students with the latest industry skills. The hands-on approach and practical assignments helped me apply theoretical knowledge to real-world scenarios. The faculty's dedication to students' success is commendable, and the career support services aided me in securing a job in a reputable firm right after completing the course. Highly grateful for the valuable learning experience





I had a decent experience with the **full stack web development course** at Team Group Of Institutions. The course content was informative, but the pacing felt a bit rushed at times, making it challenging to grasp complex concepts thoroughly. The infrastructure and resources provided were adequate, but the classroom environment could have been more interactive. Overall, it's a decent option for those looking for a quick introduction to full stack web development.





### Mohd Shabaan

Team Group Of Institutions' **full stack web development course** exceeded my expectations. The curriculum is up-todate and covers a wide range of technologies, ensuring that students are well-prepared for the demands of the industry. The supportive and knowledgeable faculty members are always ready to assist, creating a conducive learning environment. The emphasis on practical skills and project-based learning truly sets this course apart from others. Highly recommended for aspiring developers





I recently completed the **full stack web development course** at Team Group Of Institutions. While the course material was informative, I found the lack of in-depth coverage on certain advanced topics disappointing. Additionally, the career services could have been more robust in terms of job placement support. However, the friendly faculty and accessible learning resources somewhat compensated for these shortcomings. Overall, it's a decent option for beginners looking to gain fundamental knowledge in web development.



## **A TOUR OF OUR CENTRES**















