

Advanced Certificate in Full Stack Development

Hands-On Training with
10+ Live Projects

Free Access to 10+
Programming Tools

2 Months Guided
Industry Projects

2 Masterclasses
by PwC Academy

Now with Top-Tier Add-On Certification*

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node



MySQL



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Our Learners **Work At**



Why Choose upGrad?

- **Industry-Ready Curriculum**
Designed by industry professionals to reflect the latest hiring trends in Full Stack Development courses.
- **Guided Industry Projects with Mentorship**
Work on real-world projects with 1:1 mentorship.
- **Masterclasses by Industry Professionals**
Exclusive sessions on real-world best practices and emerging tech.
- **3 Years Access to Career Portal**
Get access to jobs, internships and hiring drives even after completing your Full Stack Development course.
- **Hands-on Training with Live Projects**
Work on industry-grade projects and learn directly from experts.
- **3 Years Access to Learning Portal**
Get membership to learner management system with free built-in tools to practice real-world learning.
- **5Ps of Learning Methodology**
Pre-class | Perceive | Practice | Problem-Solving | Projects

Program Highlights

- **7.8 LPA**
Highest CTC
- **4.6 LPA**
Average CTC
- **6000+**
Career Transitions
- **1200+**
Hiring Partners

360° Career Support

-  **Aptitude Training**
-  **Resume Building**
-  **LinkedIn Profile Evaluation**
-  **Interview Question Bank**
-  **1:1 Mock Interview Calls**
-  **Hands-on Technical Learning**
-  **Soft Skill Training**
-  **GD/Interview Prep**

Career Transitions



Full Stack Developer

CTC 7.8 LPA



ADITI AVHAD
Software Engineer Trainee



CTC 5.7 LPA



PRASHANT KADAM
Full Stack Developer Junior



CTC 4.8 LPA



Marketing, Copywriting

CTC 6.7 LPA

Course 1: Programming Fundamentals & Version Control + GenAI

Study

- Introduction To Programming, Software Industry & Web Development.
- Core Java: Variables, Data Types, Operators, Control Flow, Arrays & Methods
- Strings, OOP Concepts (Classes, Objects, Inheritance, Polymorphism, Encapsulation).
- Exception Handling, Packages & AI Code Generation (GitHub Copilot).

Create

- Basic Java Applications & Logic-Building Exercises
- OOP-Based Mini Projects
- Collaborative Code with Git Integration

Attempt

- 50+ Java Basics & OOP Interview Questions
- Logic-Building & Problem-Solving Practice
- Scenario-Based Coding Tests

Course 2: Data Structures & Algorithms (DSA)

Study

- Algorithm Analysis & Fundamental Constructs.
- Linked Lists, Stacks, Queues & Recursion.
- Searching, Sorting, Hashing, Trees & Graphs.
- Greedy Algorithms, Dynamic Programming & GenAI For Optimization.

Create

- DSA Implementations In Java
- Real-World Problem Simulations
- Question-Solving Sessions On Platforms

Attempt

- 50+ DSA Coding Questions
- Algorithm Interpretation & Complexity Analysis
- LeetCode-Style & Competitive Programming Challenges

Course 3: Frontend Development (HTML, CSS, JavaScript & React)

Study

- HTML5 Structure, Forms & Semantic Elements.
- CSS3: Responsive Design, Advanced Styling & Frameworks, Bootstrap & Tailwind CSS.
- JavaScript: Basics, DOM Manipulation, ES6+, Functional Programming & APIs.
- React: Components, State, Props, Hooks, Routing, Redux & Integrating LLM APIs.

Create

- Responsive Static Websites, Deploy on Vercel
- Dynamic Single-Page Applications
- React Projects with AI-Assisted Features (e.g., Copilot for UI/code)

Attempt

- 50+ Frontend & JavaScript Questions
- UI Critique & Responsive Design Exercises

Course 4: Databases & Backend Development

Study

- Relational Databases: MySQL Tables, CRUD, Joins & Transactions.
- Advanced: Stored Procedures, Indexing & Full-Text Search.
- NoSQL: MongoDB Data Modeling, Aggregation & Performance, Mongoose ODM.
- Backend: Node.js/Express basics, REST APIs, Nodemon, Authorization & Authentication, Deploy on Render.

Create

- MySQL-Connected Applications
- Full Backend Services with Three-Tier Architecture

Attempt

- 50+ SQL & Database Interview Questions
- Complex Queries & Optimization Problems
- Backend Projects

Course 5: Advanced Java & Spring Boot & DevOps

Study

- Advanced Java: Collections, JDBC, Servlets & JSP.
- Spring Boot: Dependency Injection, Spring Data JPA, REST Services, Security & Microservices.

- DevOps Essentials: Linux, Docker, CI/CD (GitHub Actions) & Cloud Basics.
- Deployment, Monitoring & AI-Assisted Code/Testing.

Create

- End-to-End Spring Boot Applications
- Microservices with Cloud Integration
- Dockerized Deployments Statistical

Attempt

- 50+ Advanced Java & Spring Questions
- Architecture & Security Exercises

Course 6: Capstone Project & Portfolio Building

Study

- Full Project Lifecycle: Requirement Analysis, Architecture & DB/UI Design.
- Integrating Frontend, Backend, Databases & AI Features.
- Testing, Documentation (AI-Assisted) & Presentation Skills.

Create

- Complete Full-Stack Capstone Application (e.g., E-Commerce/ Media Connect)
- Cloud-Deployed Project with CI/CD
- Professional Portfolio on GitHub

Attempt

- Mock Interviews & Code Reviews
- Real-World Deployment Scenarios

Tools & Technologies Covered

Frontend



Backend



DevOps



upGrad



1800 210 7070

upGrad Learning Support Centre

Bangalore | Belagavi | Bhilwara | Bhopal | Bhubaneswar Bilaspur | Chandigarh
| Coimbatore | Dehradun | Gurugram | Hyderabad | Indore | Jabalpur | Jaipur |
Kolkata | Mangalore | Pune Raipur | Rajkot | Sambhaji Nagar

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