

LEARN

CERTIFY

ENGAGE

COMPETE

CCNA

PROFESSIONALS

Mobile App

Development

WEB DEVELOPMENT Cloud Computing

Financial

Technology

(FinTech)

**Enterprise Applications Data Science and
Analytics**

INTEGRATION

COURSE OUTLINE

Module 1 Introduction to Full Stack Development

Module 2 Front-End Development

Module 3 Back-End Development

Module 4 Full Stack Integration

Module 5 DevOps and Deployment

Module 6 Testing and Quality Assurance

Module 7 Advanced Topics and Best Practices

Module 8 Project Work and Portfolio Development

Foundations &

Core Concepts

Module **01** Introduction to Full
Stack Development

- Overview of Full Stack Development
- Development Environments and Tools

Module **02** Front-End

Development

- HTML and CSS
- JavaScript
- Front-End Frameworks and Libraries

Module **03** Back-End

Development

- Server-Side Programming
- Databases

- Authentication and Authorization

Module **04** Full Stack

Integration

- Connecting Front-End and Back-End
- WebSockets and Real-Time Communication
- GraphQL

At the end of Month 1, take a comprehensive practice test covering all the topics studied so far. Evaluate your performance and identify weak areas for further study.
Monthly Practical Task

Module **05** DevOps and Deployment

- Development and Deployment Workflows
- Containerization with Docker
- Cloud Platforms and Services

Module **06** Testing and Quality Assurance

- Unit and Integration Testing
- End-to-End Testing
- Performance and Security Testing

Module **07** Advanced Topics and Best Practices

- Microservices Architecture
- Serverless Architecture
- Advanced JavaScript

Module **08** Project Work and Portfolio

- Capstone Project
- Portfolio Development

At the end of Month 2, take another comprehensive practice test that covers all topics studied during the second month. Evaluate your progress and areas that still need improvement.

Monthly Practical Task

info@itsolera.com +923334471066 itsolera.com