VIRAJE TECH

CERTIFIED JAVA

PROGRAM BROCHURE
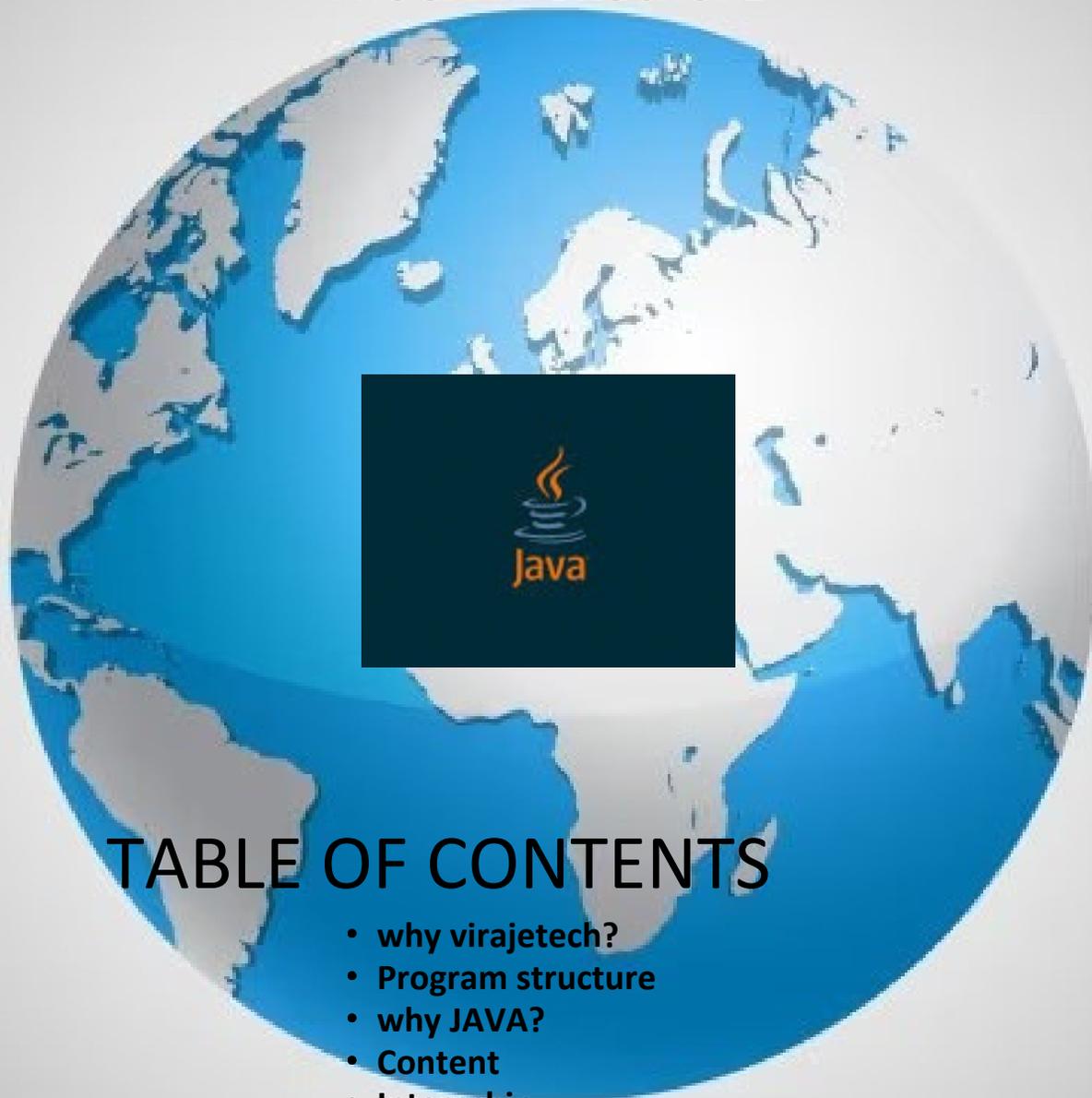
TABLE OF CONTENTS

VIRAJETECH
E - Learning Platform

WHY VIRAJETECH?

"OUR VISION"

To be the safest, most progressive Technology Provider, relentless in the pursuit of Client and employee excellence

VirajeTech's Placement Team boasts industry-leading success, aiding thousands in seamless transitions to JAVA careers.

EXPERT TRAINERS

10+year experianced and Industry Experts

Elite Faculty from Prestigious universities with deep research and coaching expertise

JOB ASSISTANCE

End to End job Support

Personalized resume and interview preparation support Job updates and connects

COMPREHENSIVE

30 hours & 700+ Learning Hrs.
Syllabus aligned with virajetech standards and rigorously updated to match with latest industry requirements

REALTIME EXPERIENCE

Projects and Internships
20 capstone projects and 1 client projects with active interaction Internship -developing POCs

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PROGRAM STRUCTURE

THE COURSE FOR BEGINNER'S PROFESSIONALS AND INTERMEDIATE LEARNERS IN THE FIELD OF

JAVA THIS IS A CAREER- ORIENTED PROGRAM, DESIGNED TO IMPART A

STRONG FOUNDATION
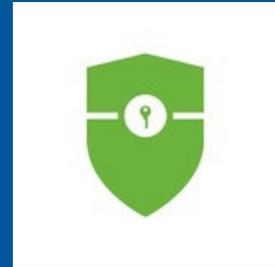
- PRE COURSE SELF-STUDY

- HIGH QUALITY VIDEOS WITH

EASY LEARNING APPROACH.

CERTIFICATIONS

- JOB READY PROGRAM

- LIVE TRAINING

- 30 HOUR A WEEK

- COMPREHENSIVE SYLLABUS

- HANDS-ON PROJECTS

- EXPERT TRAINERS AND MENTORS

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Java Programming in
Spring Boot Full Course

WHY JAVA?

A Java e-learning course is highly advantageous for the IT industry due to Java's widespread use and versatility. The course equips IT professionals with essential programming skills, as Java remains a cornerstone in developing robust and scalable applications. The online format provides flexibility, enabling learners to acquire Java proficiency at their own pace, a crucial aspect in the fast-paced IT environment. Java's cross-platform compatibility makes it indispensable for diverse IT projects, and the e-learning course ensures accessibility for a global audience, fostering a collaborative and interconnected IT community. Practical exercises within the course enhance hands-on experience, empowering IT professionals to apply Java effectively in real-world scenarios. Continuous updates in the e-learning curriculum keep learners abreast of Java's evolving features and industry best practices, making the course a valuable investment for career advancement in the IT sector.

Java Programming in Spring Boot Full Course

1.Introduction to Spring Boot

- *Overview of the Spring Framework*
- *Introduction to Spring Boot*
- *Key Features and Advantages*
- *Spring Boot vs. Traditional Spring*
- *Setting Up a Spring Boot Project*
- *Spring Boot Initializr*
- *Spring Boot Starter Packs*
- *Spring Boot Auto-Configuration*
- *Spring Boot Starters*
- *Spring Boot CLI (Command Line Interface)*

2.Bootstrap Grid System

- *Project Structure in Spring Boot*
- *Application Properties and YAML Configuration*
- *Logging in Spring Boot*
- *Dependency Management in Spring Boot*
- *External Configuration in Spring Boot*
- *Profiles and Environment in Spring Boot*
- *Spring Boot Application Lifecycle*
- *Custom Banner and Properties*
- *Running and Debugging Spring Boot Applications*

3.Spring Boot Annotations

- *@RestController and @RequestMapping*
- *@Autowired and @Qualifier*
- *@Service, @Repository, and @Component*
- *@Value and @ConfigurationProperties*
- *@Conditional Annotation*
- *Custom Annotations in Spring Boot*
- *Stereotypes and Primary Beans*
- *@Async for Asynchronous Methods*
- *@Scheduled for Scheduled Tasks*

4.Spring Boot Data Access

- *Spring Data Repositories*
- *JPA (Java Persistence API) with Spring Boot*
- *Connecting to Relational Databases*
- *NoSQL Database Integration with Spring Boot*
- *Spring Data JPA Repositories*
- *Query Methods and Named Queries*
- *Custom Queries with @Query*
- *Transactions in Spring Boot*
- *Caching in Spring Boot*

5.Spring Boot RESTful Web Services

- *equestMapping and HTTP Methods*
- *Request and Response Entities*
- *Exception Handling in RESTful Services*
- *Validation in RESTful Services*
- *Filtering and Versioning*
- *HATEOAS and Hypermedia*
- *Swagger for API Documentation*
- *Content Negotiation*
- *Testing RESTful Services in Spring Boot*

6.Spring Boot Security

- *Authentication and Authorization Role-*
- *Based Access Control*
- *OAuth 2.0 and OpenID Connect*
- *Customizing Security Configurations*
- *Spring Boot Security Filters*
- *JWT (JSON Web Token) Authentication*
- *Social Login with Spring Boot*
- *CSRF Protection in Spring Boot Security*
- *Best Practices in Spring Boot*

7.Spring Boot Testing

- *Integration Testing with @SpringBootTest*
- *Testing RESTful Services*
- *MockMvc and TestRestTemplate*
- *Test Automation and Best Practices*
- *Testing Spring Data Repositories*
- *Test Profiles and Configuration*
- *Test Execution in Spring Boot*
- *Spring Boot Test Slices*
- *Mocking in Spring Boot Tests*

8.Integrating Bootstrap with Java

- *Spring Cloud for Microservices*
- *Service Discovery with Eureka*
- *Load Balancing with Ribbon*
- *Circuit Breaker Pattern with Hystrix*
- *Distributed Configuration with Spring Cloud Config*
- *API Gateway with Spring Cloud Gateway*
- *Centralized Logging and Tracing*
- *Distributed Tracing with Zipkin*
- *Microservices Security with Spring Cloud Security*

9.Spring Boot Actuator

- *Health, Metrics, and Info Endpoints*
- *Customizing Actuator Endpoints*
- *Security Considerations for Actuator*
- *Logging and Auditing in Spring Boot*
- *Creating Custom Actuator Endpoints*
- *Health Indicators in Spring Boot*
- *Metrics Aggregation and Monitoring Tools*
- *Extending Spring Boot Actuator*
- *Best Practices for Using Actuator*

10.Bootstrap Best Practices and Real-World Applications

- *Dockerizing Spring Boot Applications*
- *Continuous Integration and Deployment (CI/CD)*
- *Deploying to Cloud Platforms (e.g., AWS, Azure)*
- *Kubernetes Orchestration for Spring Boot*
- *Monitoring and Logging in Production*
- *Profiling and Performance Tuning*
- *Spring Boot DevTools for Developer Productivity*
- *Security Considerations in Production*
- *Blue-Green Deployment with Spring Boot*

11.Advanced Spring Boot Topics

- *Spring Boot and AOP (Aspect-Oriented Programming)*
- *Spring Boot with Messaging (JMS, RabbitMQ)*
- *Spring Boot and Caching*
- *Spring Boot and Batch Processing*
- *Spring Boot and GraphQL*
- *Reactive Programming with Spring Boot*
- *WebSockets in Spring Boot*
- *Spring Boot and Apache Kafka*
- *Spring Boot and Machine Learning*

12.Spring Boot Best Practices and Real–World Applications

- *Code Organization and Structure*
- *Scalability and Maintainability*
- *Debugging and Profiling Spring Boot Applications*
- *Code Reviews and Collaboration in Spring Boot Projects*
- *Reactive and Non-Reactive Considerations*
- *Security Best Practices for Spring Boot*
- *Evolving Microservices Architectures*
- *Case Studies of Spring Boot in Real-World Applications*
- *Community Involvement and Contribution Opportunities*

INTERNSHIP

Explore valuable internship opportunities with us! Join a dynamic and innovative environment, collaborate on real-world projects, and enhance your skills. We're seeking motivated individuals with a passion for learning and strong communication skills. This internship offers hands-on experience, exposure to industry best practices, and potential career pathways.

VIRAJETECH EXPERTISE CLASS

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JOB READY PROGRAM

PROJECT MENTORING

100 hoursLive Mentoring inindustry projects y

DOUBTS SESSIONS

Twice a week, Live doubts session from mentors and experts

PLACEMENT ASSISTANCE TEAM

INTERVIEW QUESTIONS

Frequently asked interview questions course included

JOB COUNSELLING

Mapping your profile to suitable job role

RESUME SUPPORT

Personalized resume creation support from professionals

ALUMINI CONNECT

Connect with successful Alumni to learn from experience

PLACEMENT ASSISTANCE

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OUR LEARNER'S FEED BACK

HIGHEST LEVEL OF CUSTOMER DELIGHT

r **ruchi s**
1 review · 3 photos
★★★★★ 3 months ago

VirajeTech has been a game-changer for me. Their training courses have provided me with the skills I needed to excel in my career 4X. The instructors and Arjun sir are passionate about what they do, and it shows in their teaching. Hands on and practical way of teaching, I highly recommend VirajeTech to anyone looking to further their knowledge and skills

A **Anoop G**
6 reviews
★★★★★ 3 months ago

Getting placed at Amency was a dream come true, and I owe a big thank you to VirajeTech for making it possible. The instructors were experts in their field, and they created a supportive learning environment. The hands-on approach and practical exercises made all the difference.

S **Sachidanand Shahane**
3 reviews
★★★★★ 7 months ago

I am part of the AWS Associate master Class. The course was designed in a fashion that we are able to cover most of the content in a very short time. our trainer Kumar sir clarified any doubt we had and also pushed us to do the practicals which is really helpful in the learning process. Hi having vast knowledge and experience in Devops and Multi cloud platform(AWS,Azure,GCP),he provide the opportunity to get as much knowledge and guidance as possible. each session are interactive has real time use cases.

Sayali Gawde
2 reviews
★★★★☆ a year ago

Thanks for the AWS tutoring by Virajtech. The best decision I have taken in my career so far. Instructor was very helpful and gave all possible solutions related to the problem which we faced in real time scenarios. This is what I have experienced in this course, a very practical and beneficial one.

Piyush Poply
2 reviews
★★★★★ 3 years ago

I am connected with this organization since its inception. This is one of the best places to learn, practice and grow your skills up to the standards of the industry. As in IT industry, maintaining your skills and updating yourself is the most important thing, we should never stop learning and this is exactly what this institute provides. The online classes are really great as well as the trainers.

H **Harpreet Singh**
12 reviews
★★★★★ 7 months ago

Give very detailed explanation and also live teaching classes. Covering all latest topics which for sure help in getting jobs in today's market

ADMISSIONS AND CONTACTS

ENQUIRE FOR DETAILED INFORMATION FOR ENROLLMENT
DURATION:35 HOURS

LEARNING : ONLINE MODE

b 1st floor, 64, 3rd Cross Rd, Electronics City Phase
1, Electronic City, Bengaluru, Karnataka 560100
PHN NO:8618501719

8 HRS/WEEK

8 HRS/WEEK

4 HRS/WEEK

SELF STUDY

++ INSTRUCTOR LED LIVE ONLINE LEARNING

PROJECTS & ASSESSMENTS

20 HOURS A WEEK COMMIMENT

JAVA *IS RATED AS* **THE TOP CAREER**
HIGHEST PAID –RECESSION PROOF –MILLIONS OF JOBS

TAKE YOUR FIRST STEP TOWARDS JAVA CAREER

ENQUIRE NOW

THANK you

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