

Java Full Stack Course Curriculum:

| Dates | Hours | Chapter | Contents |
|---------------------------------|-------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18 -10-2021 To 27-10-2021 | 16 | Core java | OOPS, lang package, IO, util package |
| 28 -10-2021 To 12-11-2021 | 24 | Advanced Java: Spring Boot and Java 8 | Explain Spring boot architecture? Install Spring Boot Spring Boot Web Spring Boot Command Line JSON Libraries Java 8 Lambda expressions Maven Basics and Building Exception Handling |
| 15 -11-2021 To 24-11-2021 | 16 | Advanced Java: Microservices | What is API Microservice Basics Monolithic Vs Microservices Architecture SSL Enabled Rest services DB Services invocation Logging CI/CD in Microservices |
| 25 -11-2021 To 01-12-2021 | 10 | Devops: Maven and Git | Maven Terminologies Maven POM Techniques Maven build commands Kanban for Developers What is Git Install Git Git Concepts and Architecture Manage files in Git Revoke changes in Git |
| 02 -12-2021 To 06-12-2021 | 6 | Project Management: Agile and SDLC | Agile Terminologies Agile Techniques Agile Principles Kanban for Developers SDLC techniques Comparison Scenario which is when choosing type model Discussion |
| 07 -12-2021 To 22-12-2021 | 24 | Web Development | HTML 5 Structure, DOM HTML Semantics Javascript Basics CSS Styles and Classes Media in Websites, W3C standards implementation |

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| 23 -12-2021 To 27-12-2021 | 6 | Bootstrap 4 | What is Bootstrap |
| | | | Installing Bootstrap |
| | | | Basic Styles using Bootstrap |
| | | | Screen Layout using Bootstrap |
| | | | Style in Bootstrap |
| | | | Layout in Bootstrap |
| | | | Forms in Bootstrap |
| | | | Interactive components |
| 28 -12-2021 To 29-12-2021 | 4 | Node JS | Node.js basics |
| | | | Install Node.js |
| | | | What is NPM |
| | | | Package Management |
| 30 -12-2021 To 14-01-2022 | 24 | Vue Js or Angular Js | Single Page Application |
| | | | Vue js Basics |
| | | | Install Vue CLI with NPM |
| | | | Rendering in Vue |
| | | | Conditionals and Loops |
| | | | Components in Vue |
| | | | Vue Instance (Data, methods) |
| | | | Life Cycle of Vue |
| | | | Binding in Vue |
| | | | Dynamic Styling, SCSS, & Global Styles |
| | | | Vue Router |
| | | | State Management |
| | | | Event Handling in Vue |
| | | | Invoking Rest API |
| | | | JUnit Creation in Vue JS |
| 17 -01-2022 To 28-01-2022 | 10 | Advanced Java : Persistence/JDBC Programing | What is a Database |
| | | | RDBMS Database and its uses |
| | | | Hibernate , JPA |
| | | | CRUD Operations |
| | | | Named Parameters |
| | | | Criteria Query API |
| 31 -01-2022 To 08-02-2022 | 14 | Database : Postgres / SQL | What is PostGres |
| | | | Download and Install PostGres |
| | | | Create a Table and Constraints |
| | | | Native DataTypes |
| | | | Building a Database(Schema) |
| | | | Indexing Tables |
| | | | Granting privilages |
| | | | Views, Stored Procedures |

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| 09 -02-2022 To 11-02-2022 | 6 | Testing Framework / code quality | Junit Creation for Spring |
| | | | Creating Test Suites for Junits |
| | | | Sonar Qube Coverage |
| | | | Parameterized Testing in Junit |
| | | | Post man Service testing |