Java Full Stack Road Map

Core Java / JSE
- Basics
  - variables
  - data types
  - TypeCassing
- OOPS
- String Handling
- Exception Handling
- Packages
- Project using Swing/FX
  - TODO Manager
  - Student Mangement
  - Calculator
  - Digital Clock
  - Email Sender

2 months

Advance Java / JEE
- **Servlet**
- Filter
- JSP
- Project using JEE
  - HTML
  - CSS
  - Javascript
  - Bootstrap/Tailwind CSS/Materializecss
  - Learn how to create good frontend
  - **React**/Angular
- **JDBC** - Java Database Connectivity
- **RDBMS** MYSQL,POSTGRESQL etc

3 months

DB Technologies
- ORM Tools , **Hibernate**
- Make small project with Hibernate

Project Management Tools
- Gradle
- **Maven**

Version Control
- Basics
  - Git
  - **Github**
  - Gitlab
  - etc..

Deployment
- **AWS Cloud**
- Google Cloud
- Heroku Cloud
- **Digital Ocean**

2 Months

Spring Boot
- Boot basics
- Start with project
  - Social Media APP
  - College ERP
  - Hotel Booking
  - **ECommerce**
  - etc..........

APIS

Spring Framework
- Spring Core
  - IOC
  - DI
- Spring ORM
- Spring JDBC
- **Spring MVC**
  - WEB
- Spring Security
- Project with Spring
  - TShirt Store
- Learn Other Spring Framework Modules

2 Months

Testing
- JUnit , Mockito

IDE's
- **Eclipse IDE/STS**
- IntelliJ IDEA
  - Community
    - **Free**
  - Utlimate
    - Paid
- Netbeans

Microservices

Core Java
Basics of Servlet
Basics JSP
Basics of JDBC
Small Project

Start with Spring Boot
  Spring core concepts
      DI,IOC,Autowiring,bean scope,lifecycle
Spring JDBC
Spring Data JPA- hibernate
  Database connectivity and Complex crud operations
  RDBS Concepts
Spring MVC
  controllers
  model
  views
  data form controller to view
  data from view to controllers
  path variable
  query params
  complex request with data
  Rest APIS concepts
  How to create apis
  Convention create apis
Start Project using Spring Boot-APIS
APIS
Spring Security-Auth,Authorization
Validation
Exception Handling