Advanced Java

(Prereq: Should have completed Java and SQL along with JavaScript, HTML and CSS courses. An equivalent course completed from other training providers or school/college is acceptable with a testout)

Day -1 (lecture - 3 hrs
hands-on practice - 3 hrs)

- Understand Design Patterns
- In depth Model View Controller Pattern
- In depth Singleton pattern
- In depth Service Delegate, DAO pattern

Day -2 (lecture - 3 hrs
hands-on practice - 3 hrs)

- Spring framework
- JEE application framework
- Understand Servlet technology
- Understand RESTful web services

Day -3 (lecture - 3 hrs
hands-on practice - 3 hrs)

- Pair programming practices
- Understand git repository for collaborative groups
- Understand Maven build framework
- Deploy a JEE application on cloud system

Day -4 (lecture - 3 hrs
hands-on practice - 3 hrs)

- Spring boot framework
- Understand unit tests and Test driven development (TDD)
- Understand end to end testing framework

Note: Although the syllabus is shown with Day -1 through Day -4 breakup, that works for full 4 day continuous programs, the same syllabus could also be delivered for part time courses by following the same sequence of instructions and hands-on labs.

References:
Murach’s Java Servlets and JSP: