

2-Month Spring Boot Learning Plan

Week 1 — Basics

- Intro to Spring & Spring Boot
- Project setup, Maven/Gradle
- REST basics, simple Hello API

Week 2 — REST APIs

- Controllers, JSON
- GET/POST/PUT/DELETE
- Student CRUD API (in-memory)

Week 3 — JPA + MySQL

- Hibernate, Entities, Repos
- MySQL connection
- Student CRUD with DB

Week 4 — Architecture + Errors

- Controller → Service → Repo
- Validation & Exception Handling

Week 5 — Spring Security

- Authentication & Authorization
- Basic login protection

Week 6 — JWT Auth

- Login API returns JWT
- Secure endpoints with token

Week 7 — Docker + Testing

- Dockerize Spring Boot app
- Docker Compose with MySQL
- JUnit basics

Week 8 — Final Project

- CRUD + Security + DB + Docker
- Push to GitHub