



# Spring AI: Beginner to Guru

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Generative AI with Spring

Setting Up Your Development Environment



## Development Environment

- Any OS supporting Java Development - macOS, Windows, or Linux
- 8 GB Ram, 16 GB+ preferred - (Instructor is using 64GB)
- Java 21 recommended
  - Spring Framework 6 / Spring Boot 3 require Java 17+
  - Oracle Java or OpenJDK
  - Must have JDK Installed





## Build Tools

- Maven version 3.9.0 or higher
  - Ideally installed for command line use
  - See Apache Maven documentation for your operating system for installation instructions



## Git Integration

- All Source Code is in GitHub
- Using GitHub is Optional for this course
- Source code can be downloaded from GitHub as a zip file
- See Appendix A if you are new to using Git
- Following will be a video for the recommended work flow with GitHub





## Verify Your Environment

- Verify Java installed: `java -version`
- Verify Java JDK installed: `javac -version`
- Verify Maven is installed: `mvn -v`
- Verify Git is installed: `git -v`





## OpenAI API Key

- We will be using Open AI in this course
- You will need to obtain an API Key for OpenAI
  - Obtaining an API is explained in an upcoming lesson
- OpenAI is a paid product based on usage
- No free plan
- Smallest credit purchase is \$5
  - A \$5 credit is more than sufficient for the course





