10 Java Developer Skills You Need to Get Hired in 2024

A great Java developer is at the core of any great Java application. Java developers in high demand because they have the training and skills to build robust, high-quality apps.

You'll need certain Java developer skills to be successful, whether you're an experienced professional or a novice looking to get into this field. Read more here, [Java Course in Pune](#).

What makes a great Java developer?

Each individual has their own strengths and abilities. There is no one version of the perfect Java developer.

To succeed, you need to have strong technical skills, good communication, teamwork and attention to details. You also need to be willing to learn continuously.

Attending workshops, conferences and taking part in personal java projects can help you develop your skills.

This career has many benefits, ranging from the satisfaction that comes with building something worthwhile to financial rewards when you are in high demand.

Basic Java Developer Skills

1. JDBC and SQL

Java developers should strive to have a good understanding of the Java Database Connectivity API (JDBC). These skills will allow you to work with databases, run queries and retrieve data that can be used in your applications.

SQL and JDBC are among the most sought-after skills for Java developers. They allow you to store and organize data via databases in powerful ways.

These skills are also useful for creating programs that allow users to access database data, or troubleshooting issues with databases. These skills can be used to enhance application performance and reliability.

2. Java Update: Use the latest Java version

Java releases and versions are constantly changing, so Java developers must stay on top of the latest releases.

You can also take advantage of the latest features and bug fixes. Take advantage of the latest bug fixes and features.

It can be expensive and time-consuming to update your development environment or build tools every release. Some dependencies may not be compatible with the latest release, which can also cause problems.

3. Core Skills (Object Oriented Programing, Data Structures & Algorithms).

Java developers must have a solid understanding of fundamental programming concepts such as object-oriented programming (OOP), data structures and algorithms.

You will be able work in agile teams and keep up with the latest trends.

4. Java Frameworks & Libraries

Java frameworks are important for Java developers, as they help them build applications that have many features.

There are likely to be libraries or frameworks that can improve the quality of your code and streamline your development process, whether you're developing web apps, mobile applications, or desktop software.

You can build more robust applications faster by using these common frameworks.

Spring - Create web applications and services. Provides several powerful tools, including dependency injection and model-view-controller (MVC) architecture

Hibernate : Manage data in relational database

Spring Boot:Builds upon Spring and allows you to create REST APIs, microservices and production-ready apps.

Struts simplifies the creation of web applications, user interfaces and web services as well as managing web content.

You can visit here for more information, [Java Training in Pune](#).

Intermediate Java Developer Skills

5. JavaFX

JavaFX allows you to create rich, interactive applications for the web that run seamlessly on different platforms and devices.

JavaFX will help you create engaging, intuitive and user-friendly applications, whether they are for desktop computers, mobile devices or the web.

JavaFX is primarily used for web development and software design, but you can use it in other areas of Java development.

6. Agile Methodologies

It's important for Java developers to be able to work efficiently in an Agile environment. This can include Scrum, Kanban or other Agile approaches.

You'll learn these skills during your career as a software developer. The specifics will vary depending on the Agile method that your company prefers.

Working in an Agile team generally means that you are skilled at gathering requirements and prioritizing them, collaborating with other people, writing clean code, thoroughly testing your code, and iteratively working with stakeholders to make sure the final product meets their needs.

7. Popular Java Development Tools

You should be familiar with the most popular Java tools.

Eclipse: Write code, debug it, and test it

Maven : Manage dependencies in large projects

Git : Version Control Software to Track Your Code Changes

Jenkins Continuous Integration software that automates the testing and deployment process

Advanced Java Developer skills

8. Multithreading and Concurrency

Multithreading is the execution of multiple threads at once. Concurrency refers to the ability of running multiple processes at once, either sequentially or parallelly, with a non-zero progression.

Imagine you are interested in learning the skills required to become a Java developer. These skills are crucial in this case as they enable you to create multiple-tasking applications, which is essential for processing large amounts of data and heavy workloads.

9. Advanced Java

Java concepts such as concurrency and network programming are important for creating highly scalable software to meet the demands of organizations and businesses.

You can also build a successful Java career with these skills.

10. Linux OS & Windows Server Environments

Many applications are run on Windows Server and Linux-based operating systems.

Understanding the various OS aspects can help you to manage your projects, and ensure that your code is compatible with different OS.

File Systems: Knowledge about file system configurations, data organization, storage, permissions management and networked files systems.

Networking : Remote Connection & Machine via various protocols such as SSH, SFTP FTP TCP/IP TCP/IP

Shell scripting & command line: Automate, perform maintenance and troubleshoot issues.

[Java Classes in Pune](#) is a highly demanded course that helps all prospective students get knowledge in Java development and programming.