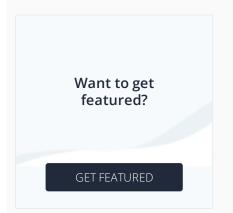
Top Java Developers in 2025

Featured companies

Last updated: July 2025



List of the Best Java Developers

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80% Java 🗴 50 - \$99 / hr 👬 100 - 249 🕕 Poland, Warsaw	CASE STUDIES: 1
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40% Java 🖏 \$30 - \$49 / hr 🎇 10 - 49 💭 Belarus, Minsk	CASE STUDIES: 5
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Buyer's guide

The Problem of Scaling Software

Scaling software across various hardware and software platforms can be extremely difficult for businesses. According to an article by the tech media company, The New Stack, 66% of organizations have stated that IT systems have increased in complexity compared to the past two years.

Therefore when scaling software, companies will incur additional costs due to fixing performance and user experience issues across different platforms. In addition, fixing bugs and show-stopper issues will cause increased downtime.

In addition to costs and time concerns, software security is a significant difficulty faced by organizations seeking to scale their software.

Security breaches such as viruses, hacking, and other malicious attacks can increase as software is developed to deploy on various systems. An organization already faces a significant challenge scaling its software and will need more resources to resolve security issues.

Java Solves Software Scalability

Java is a programming language that can work across various hardware devices and platforms. Java's security architecture and support for secure coding best practices enable an application to increase in size and complexity while remaining robust and secure.

This assists the developers in writing enterprise-level software that can be scaled across their organization's IT infrastructure.

According to a report by technology analyst Tom Smith, Twitter embraced Java over previous languages such as Ruby and migrated to Java for Twitter's front-end application and server back-end.

Twitter's switch to Java ensures its codebase remains consistent, secure, and compatible across mobile devices and desktop computers. This proves Java's efficacy in solving various software scalings issues, such as cross-compatibility and security.

In this article, we will cover the benefits of Java development to understand reasons why Java is popular and how Java can help in software scaling and security. We will also cover Java learning resources and the process of Java development, followed by important factors to look for when choosing a Java developer to work with.

The Benefits Of Java Development

So, what do Java developers think about working with the language? Below are four benefits of Java.

Benefit #1. Java Is Easy To Use

According to the best Java development companies, Java's syntax makes it easy for programmers to write, build, debug, and learn the language.

Benefit #2. Java Is Like Lego

Furthermore, developers can create modular programs and reusable code, like assembling Legos from various parts.

Benefit #3. Java Saves Costs and Time

In combination with its platform agnosticism and modularity, programs can be deployed across devices without requiring code changes, thus saving time and costs while maintaining security.

Benefit #4. Java Is Versatile

Java is so versatile that organizations can create applications, such as airline reservation systems, data visualization programs, electricity billing systems, email clients, and even network packet sniffers using Java.

What Are The Three Types of Java Programming?

Before further discussing Java and its development process, we must first cover the three types of Java programming below.

Type #1: Java Standard Edition (SE)

Java SE sets the core features of the Java programming language and is the foundation of all basic Java types, objects, and high-level classes. It is used to develop desktop and server applications and browser-based applications.

Type #2: Java Enterprise Edition (EE)

Moving on, Java EE is a collection of specifications for developing and deploying enterprise applications by building on Java SE and providing an API and a runtime environment for enterprise-level application development.

Type #3: Java Mobile Edition (ME)

Finally, the third type of Java programming, Java ME, specializes in developing Java applications for small embedded devices or low-powered mobile devices.

Overview Of The Java Development Process

Whenever an organization needs a scalable, robust enterprise-level Java application, it is good practice to follow the Java development process below.

1. Planning

A project's requirements, objectives, and scope will be determined and documented at this stage. The broad framework of the project is established at this point, and any challenges that might emerge during development are noted by both the Java development service provider and the client.

2. Design

The application's wireframes and mockups are produced during the design phase, including the application layout, user interface, and overall user experience. Clients, other stakeholders, and the Java development service providers will debate the proposed designs and finalize them.

3. Development

In development, the software will start to be written by the Java development service provider. The best Java development companies typically write code for Java using an Integrated Development Environment (IDE), such as Eclipse, IntelliJ IDEA, or NetBeans.

4. Testing

Since Java has powerful testing and debugging features, all the best Java development companies will utilize these features and other tools to test the application works as intended and is free of bugs or mistakes.

Interestingly, Java developers will speed up testing with manual and automated tools like JUnit, which can be used to create automated tests for Java applications.

5. Launch

The launch stage of Java development sees the Java code being prepared for compilation and deployment once it has been written and tested.

The best Java development companies use tools to help automate the process of compiling source code into machine code. Build tools can perform other tasks, such as managing dependencies and compiling, so deploying the Java software into a real-world setting becomes highly streamlined.

6. Maintenance

In order to address errors, add new features and maintain the software, a top Java development company has to provide ongoing application maintenance after the launch.

Resources For Java Development

According to this curated list of Java learning resources, there are numerous resources to learn about and become involved in Java programming. These resources include books, forums, communities, documentation, and online learning environments like Udemy, Coursera, and edX.

Free courses on YouTube provide structured lessons from fundamental Java concepts to more advanced Java skills. If there are too many choices to pick from, start with the official Java documentation itself. The official Java documentation is a comprehensive source that offers in-depth details regarding Java's libraries and tools and is easily accessible on Oracle's website.

Moreover, participation in Java discussion boards and communities, like Stack Overflow and Reddit, can offer a platform for developers to ask questions and help one another.

Finally, attending Java conferences like JavaOne and Devoxx provide an opportunity to learn from professionals, network with peers, and keep current with recent trends and advances.

Overview Of Popular Java Development Tools

In this section, the top tools and platforms for Java developers will be discussed below. All development starts with the Java Development Kit (JDK), which is a collection of tools and environments used for Java development.

The JDK is one of three core packages used in Java programming, along with the Java Virtual Machine (JVM) and the Java Runtime Environment (JRE).

While the JDK is used to write Java code, the JVM controls the Java application's memory and resources to run the code. Thanks to the JVM operating one layer above the main operating system, Java applications may execute in a safe and adaptable environment.

The JVM and other libraries or dependencies required to run Java programs are part of the JRE, which must be installed locally on a device to run Java programs.

Top Java Development Platforms

Java Enterprise Edition (Java EE) is the top platform that offers a range of APIs and services for building dependable, scalable, and secure enterprise applications. Java EE supports web services, transaction management, security, and data persistence.

For other Java developers who wish to create reactive, scalable apps, Vert.x is a good choice for a Java development platform. This popular platform is made for writing robust applications through its event-driven and non-blocking framework. It can also manage large volumes of concurrent users and data by having flexible and modular architecture.

Alternatively, the Play Framework is a high-performance online application platform for scalable Java software development. It is made simple to use and offers developers a high-performance experience with low latency event-driven and non-blocking architecture, allowing it to handle large quantities of concurrency.

Top Java Libraries

Next, we have below a list of top Java libraries that developers use. The order of the list does not indicate any ranking.

Apache Commons

A collection of free Java libraries called Apache Commons offers a range of features to make typical programming jobs easier. It is renowned for its features, including file upload, collection manipulation, and string operations. Because of that, Apache Commons is an essential tool for many Java developers.

Google Guava

Another well-known Java library that makes Java programming simpler and more effective is Google Guava. Concurrency, caching, and collections libraries are some of Google Guava's noteworthy characteristics. Thanks to Google Guava, developers may efficiently complete typical programming tasks while writing less code.

Jackson

The last top Java library in this list is Jackson. Jackson facilitates data-binding between Java objects and JSON data, allowing developers to swiftly and efficiently work with JSON data without worrying about data conversion challenges.

Top Java Frameworks

Below are some of the developers' top Java frameworks to use. As per the previous list, the order in this list does not indicate ranking.

Spring Framework

The Spring Framework is among the top Java frameworks. It is open-source and offers complete infrastructure support for developing Java applications, including features like aspect-oriented programming and inversion of control.

JavaServer Faces Java Framework

A component-based framework called JavaServer Faces (JSF) is used to build user interfaces for Java online applications. The framework offers a common set of APIs for controlling UI elements and quickly attaching data and business logic to those elements.

Hibernate Java Framework

Hibernate is another top Java framework that makes it easier to bind Java objects to database tables and vice versa. With the help of this framework, developers may query, update and get data from databases using a wide range of APIs.

J-Unit Java Framework

The last top Java framework in this list is J-Unit. It is a framework for unit testing that enables Java developers to create and execute automated tests. J-Unit offers assertions and annotations to specify and test individual lines of code, enhancing the dependability and quality of Java programs.

Popular Java IDEs

Java IDEs or Integrated Development Environments are software applications with tools and functions to write, test and debug Java code. We list popular Java IDEs below in no particular ranking.

Intelli J IDEA

Intellij IDEA, by JetBrains, is renowned for its sophisticated code navigation and completion features. Many Java developers use this commercially though it has a free edition.

Netbeans IDE

Another well-known Java IDE is NetBeans, owned by the Apache Software Foundation. It offers a straightforward and understandable UI for developing Java applications and various capabilities like code generation and is open source and free to use.

Android Studio

Android Studio by Google is a Java IDE based on IntelliJ IDEA made for writing Android mobile applications. It is free to use with integrated tools for designing and testing user interfaces, profiling and debugging apps, and uploading apps to the Google Play Store.

Visual Studio Code

Finally, there is Visual Studio Code (VSCode), which Microsoft created. Open-source and free, VSCode supports Java development with several extensions that offer capabilities like code highlighting, debugging, and code completion despite not being a full-fledged Java IDE.

Advantages of Working with a Java Developer

Cost savings and access to a talented pool from the best Java development companies with sector-specific knowledge are just some advantages of hiring a top Java development company. The cost of investing in infrastructure, personnel, and equipment can be decreased by hiring external Java development companies to develop an organization's scalable enterprise-level software.

If any organization has a time-critical Java project to start, hiring talented Java experts with the necessary knowledge, skills, and infrastructure can speed up the project's development compared to figuring out what resources, skills, and knowledge are needed to execute the project.

Additionally, several top Java developers offer top-notch client after-service and customer service, ensuring that clients have the assistance they require. This is especially critical as any software requires updates and maintenance after some time instead of just setting and forgetting about it after a project has been completed.

How to Choose the Right Java Developer

Finding an ideal Java developer might be challenging given the rising demand for these professionals, as the success of any Java software project depends on selecting the best Java development companies in today's fast-paced technological world.

Before narrowing down a list of the best Java development companies, the first step is to define a project's goals, objectives, and needs. These should be clearly stated and documented as they can determine whether the developers have the necessary experience and knowledge to complete a project successfully.

Next, go through several developers' portfolios of past projects and client testimonials to see if a developer's experience and specialties are well suited to the project demands.

Finally, send an invitation to interview shortlisted top Java developers to discuss the project in greater detail. This will help a company to gauge a Java development service provider's comprehension of the project's needs, project management methodology, pricing, and general client service.

We will discuss in detail factors to consider when hiring a top Java developer, how to identify an experienced Java developer, challenges faced, and advice when working with a developer below.

Factors to Consider When Hiring A Top Java Developer

Factor #1: The Project Management Methodology

The methodology of managing a Java software project is a significant factor in choosing the best Java development company.

Most Java developers will use Agile, Waterfall, Kanban, or Scrum to manage a software project.

However, each methodology has pros and cons that may or may not suit a project's specific needs. Therefore, a project manager must study these methodologies to decide which will fit the project.

Factor #2: The Budget

Upon deciding the project's management method, the next factor to consider is the project's budget because prices for a project may differ depending on the project's needs.

The project needs will dictate the experience level and number of developers needed to complete the project.

Junior developers can do simpler projects for less money. However, costs will increase if more expensive mid-level to senior developers are needed for more complex projects.

Factor #3: A Breakdown Of Time and Costs

Finally, a project manager must request a detailed breakdown of all project costs, including time costs, additional project management or consulting fees, and ongoing maintenance and support costs from the developer to avoid any unexpected future surprises.

How To Identify An Experienced Java Developer

In order to find an experienced Java developer, businesses must shortlist a few development companies for interviews.

When interviewing a potential Java developer, test their technical expertise and ask other related questions to evaluate the Java developer's soft skills. This is important as human interaction is essential to project management and the success of a project.

Ideally, an experienced Java developer should have a portfolio of applications across different sectors and use cases. Potential clients should also read previous testimonials in order to gauge the developer's service standards.

On the technical front, top Java developers need to be well-versed in the JVM, Java build tools, reusable Java libraries, and Java web frameworks. This ensures that the software gets developed with the latest best practices and technologies.

As a bonus, if the developer is knowledgeable about other popular web application frameworks, code versioning tools, and web technologies, this is a clear sign that this developer is a very experienced Java developer.

Challenges of Working with a Java Developer

Challenges working with Java developers include time-zone differences if the developers and clients are in different locations. There could also be miscommunication problems along with the failure of the developer to understand the project's scope and disputes with timelines and budgets.

However, some challenges can be handled with good planning and communication. For instance, maintaining open lines of communication on a regular basis might assist in avoiding confusion and keeping everyone informed.

Additionally, having a defined project strategy and clear scope of work can keep projects on track and prevent them from running over budget and schedule.

Advice for Working with a Java Developer

The following are some best practices to consider for a fruitful collaboration with an external Java developer. As stated in the previous section, everyone will be on the same page if project goals and expectations are clearly defined, ensuring understanding and scope creep.

Any project's success depends on clear lines of communication, open and honest communication, and frequent updates. Therefore, setting project deadlines and milestones in advance will help the project stay on schedule and prevent delays.

This will make it easier to avoid surprises later on if there is a clear grasp of the budget and timetable; therefore, it's crucial to convey any changes in these areas as soon as possible.

Additionally, developers can contribute fresh viewpoints and solutions if the clients remain flexible and receptive to new ideas. Hence, client companies should keep an open mind when working with a Java developer.

Finally, to make the collaboration processes between the hired Java developers and clients more streamlined, use tools like project management software, version control software, and instant messaging services.

How Much do Java Development Companies Charge?

A Java development service usually charges clients based on the number of developers assigned to a project. The typical hourly wage for a Java developer in the United States is between \$25 and \$160. However, companies frequently seek Latin America, Western Europe, and Eastern Europe as preferred locations for obtaining cheaper yet talented developer services.

Although Latin America is a young and promising region, there may be security concerns and more significant development expenditures. The typical hourly wage for a Java developer in Latin America is between \$45 and \$65.

Western Europe is well-liked by firms in the US and Canada. Still, it has a shortage of technical talent and higher hourly prices from \$15-\$20 per hour for junior-level developers and \$65-\$90 per hour for senior-level developers.

With an average hourly wage of \$13-\$18 per hour for junior-level developers and \$35-\$49 per hour for senior-level developers, Eastern Europe is renowned for having reduced development costs. Low development costs, a considerable talent pool, and a high literacy rate make Eastern Europe a preferred choice.

It's crucial to remember that these are merely averages and that the actual hourly rate can change based on the firm or developer.

Key Java Development Trends

Trend #1: Decreased Java Development Costs

As of 2023, key Java development trends include impacts on development costs as businesses anticipate a 29% growth in cloud spending and payas-you-go PaaS (Platform as a Service) due to increasing support for Java-based apps being added.

Trend #2: Better Java Performance

Next, performance improvements in Java with the introduction of Spring Native 6.0 GA, Spring Boot 3.0, and Virtual Threads (2nd preview) in JDK 20 are key trends to watch out for from 2023 onwards.

Trend #3: Increasing Use Of Lambdas

With the launch of AWS's Lambda SnapStart, it is anticipated that the use of Lambdas in Java development will grow in 2023, leading to better code readability, more concise code, and increased code reusability and performance.

Trend #4: Increasing Vulnerabilities

Concerningly, Java frameworks and libraries now contain a growing number of CVEs (Common Vulnerabilities and Exposures); thus, enterprises must keep their dependencies up to date to maintain security.

Thankfully, the migration of some portions of the GraalVM Community Edition Java code to OpenJDK will improve security and synchronize release cycles and features, which will be advantageous to all contributors and users.

Conclusion

In conclusion, scaling software may result in performance and security issues, increased costs, and wasted time. Java development offers a solution to these problems thanks to its cross-platform adaptability, security, and modularity.

Hiring a top Java development company can speed up the deployment of projects and provide after-deployment maintenance and support that saves organizations time and costs.

Although finding the right Java developer can be challenging, it's important to go through all the factors of selecting the right Java development company for a project, as this is crucial to the success of any Java software project.

Frequently Asked Questions

Who Are Some of the Top Java Developers?

Popular Java developers include Gecko Dynamics, Sciencesoft, Inventorsoft, MoroSystems and more. These developers are amongst the top popular development companies that provide Java programming services.

However, project managers should consider all relevant factors, including regional, geographic, and cultural considerations, when choosing a developer compared to a popular one. The best way is to choose on our list of Top Java developers that we created for you.

What Makes a Great Java Developer?

A great Java developer understands the Java language and its libraries well, in addition to the latest features. Additionally, great developers are dedicated to continuous learning and improving to advance their technical knowledge.

Finally, a great developer also possesses soft skills, such as effective communication and problem-solving.

What Are the Benefits of Using Java?

Java's benefits include its dependability, scalability, security, and usability. The language's simple syntax and learnability enable developers to easily and quickly create sophisticated cross-platform applications due to its standard libraries, object-oriented programming, and platform independence.

Additionally, security is robust because of Java's automatic memory management, garbage collection, and support for secure coding techniques.

What Resources Are Available for Aspiring Java Developers?

Java development can be learned via various resources, such as online courses on Udemy and edX. Additionally, reading official Java documentation and participating in discussion forums and communities like Reddit are essential resources for aspiring developers.

Aspiring developers should also attend Java developer conferences to learn and network with professionals and experts.

What Challenges Do Java Developers Face?

Java developers must write efficient code to incorporate new features, preserve code readability for future maintenance, and optimize for performance.

Their work also requires them to adhere to software development standards, understand legacy code, and keep up with best practices.

To tackle these problems, Java developers need to have a solid grasp of the Java language, program design concepts, and performance optimization approaches.

Challenges of Working With a Java Developer.

Due to time zone variations and poor project management, working with overseas Java developers may be challenging. Unscrupulous Java developers with poor integrity may result in issues with intellectual property and surprise costs.

Finally, a Java developer with poor communication and cultural issues will present a challenge in correctly understanding the scope of a project while adhering to the timeframe and budget.

How to Become a Successful Java Developer?

An aspiring successful Java developer can achieve their goal by ensuring they master the fundamentals of Java SE, Java EE, the JVM, the Java API and libraries, followed by the Spring Framework and other relevant technologies.

Is there a Certification Process for Java Developers?

Part of the Java developer certification process is selecting a certification category and preparing for the exam. The OCAJP (Oracle Certified Associate Java Programmer) certification is the prerequisite for becoming an Oracle-certified Java professional and is the entry-level certification for Java developers.

Next would be the OCPJP (Oracle Certified Professional Java Programmer) certification that emphasizes core Java knowledge and separates Java developers by showcasing their level of proficiency.

What Skills Should I Develop to Become a Top Java Developer?

Top Java developers must be proficient in various technical areas of the Java ecosystem, like the JVM, Java build tools, reusable Java libraries, and frameworks like SpringMVC and Play.

Additionally, developers must know OOP ideas, concurrency handling, MVC patterns, and well-known web application frameworks and code versioning tools.

What Kinds of Projects do Top Java Developers Work on?

Top Java developers work on common projects include applications such as an airline reservation system, data visualization programs, electricity billing systems, email clients, and even network packet sniffers.

As a matter of fact, Twitter uses Java for its front-end application across multiple devices and its server back end.

What Are the Most Common Projects in Which Java Is Used?

Enterprise applications, web applications, and mobile applications all frequently use Java in their development.

In addition, due to its cross-platform compatibility, security features, and sizable development community, Java is employed in various big data analytics and scientific applications.

What Are the Most Popular Java frameworks?

According to leading technology solutions company BairesDev, the ten most popular Java frameworks are Spring, Struts, Google Web Toolkit, Grails, Play, Hibernate, Dropwizard, Vaadin, Blade, and Wicket.

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