

Java

Java	A general-purpose, object-oriented programming language used for web development. Java is one of the most popular programming languages in use, particularly for client-server web applications.
Java build tools	Ant , Maven , Gradle .
Java testing tools	JUnit , TestNG , Cactus , EasyMock , Mockito , Cucumber .
ActiveMQ	Popular and widely used messaging broker with moderate performance, wide protocol support written in Java together with a full Java Message Service (JMS) client. It provides "Enterprise Features" which in this case means fostering the communication from more than one client or server.
ADF	An end-to-end Java EE framework that makes plainer application development by supplying out-of-the-box infrastructure services and a visual and declarative development experience. It supports rapid app development based on ready-to-use design patterns, metadata-driven and visual tools.
Apache Ant	Software tool for automating software build processes. It is an XML contained list of procedural steps to perform in order to build a software project. The main known usage of Ant is the build of Java applications. Ant supplies a number of built-in tasks allowing to compile, assemble, test and run Java applications.
Apache Camel	Software that allows to create processing pipelines in a declarative manner, in XML or via a Java DSL. Focuses on making integration easier and more accessible to developers. It does this by providing: concrete implementations of all the widely used Enterprise Integration Patterns (EIPs), connectivity to a great variety of transports and APIs , easy to use Domain Specific Languages (DSLs) to wire EIPs and transports together.
Apache MINA	A Java framework for developing high performance and highly scalable network applications. MINA provides different APIs to help developers focus on the app's logic, testing capabilities, and DI framework integrations. It can be used in conjunction with Eclipse IDE and IntelliJ IDEA for graphical tooling.
Burp Suite	Integrated platform for performing security testing of web applications. Its various tools work seamlessly together to support the entire testing process, from initial mapping and analysis of an application's attack surface, through to finding and exploiting security vulnerabilities.
Cactus	Simple test framework for unit testing server-side java code (Servlets , EJBs , Tag Libs, Filters). The intent of Cactus is to lower the cost of writing tests for server-side code. It uses JUnit and extends it.
ClearTK	Framework for developing statistical natural language processing (NLP) components in Java and is built on top of Apache UIMA . Provides a rich feature extraction library that can be used with any of the machine learning classifiers.
Dropwizard	A free Java framework for developing web services. Dropwizard offers stable libraries and tools for logging, configuration, as well as application metrics and operational tools that ensure high-performance and REST ful applications. It allows building clean and focused applications, without maintenance burdens.
DWR	Java open source library that helps developers write web sites that include Ajax technology. It allows code in a web browser to use Java functions running on a web server as if those functions were within the browser.
EclipseLink	Comprehensive open-source Java persistence solution addressing relational, XML , and database web services. The software provides an extensible framework that allows Java developers to interact with various data services, including databases, web services, Object XML mapping (OXM), and Enterprise Information Systems (EIS).
Ehcache	Standards-based cache that boosts performance, offloads your database, and simplifies scalability. Distributed cache solution, lighter than others, but also with less features, which is quite often used together with an ORM as a second level cache to cache objects and sometimes full queries.
EJB	Stands for the Enterprise JavaBeans. A server-side component architecture for Java EE . It enables rapid and simplified development of large-scale distributed apps.
FreeMarker	Template engine: a Java library to generate text output (HTML web pages, e-mails, configuration files, source code, etc.) based on templates and changing data. Templates are written in the FreeMarker Template Language (FTL).
GlassFish	An open-source Java application server project, created by Sun Microsystems, allows to generate enterprise technologies that are scalable and additional services that can be installed based on preference.
Google Guice	A lightweight Java framework that supports dependency injection (DI). Google Guice claims to have simplified development and debugging processes and allows to easily understand the code even without tools. It offers features for testing, changing and reusing the code.

Build tool that does not use [XML](#) for build script, instead it provides a domain specific language ([DSL](#)). This DSL is based on groovy, another

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[Groovy](#)

A flexible programming language with functional programming aspects built on top of the [JVM](#) and fully compatible with [Java](#). Integrates smoothly with any Java program and delivers powerful features, including scripting capabilities, domain-specific Language authoring, runtime and compile-time meta-programming and functional programming.

[Guava](#)

Java-based library developed by Google. Contains several of Google's core libraries that they rely on in their Java-based projects: collections, caching, primitives support, concurrency libraries, common annotations, string processing, I/O, and so forth.

[GWT](#)

Development toolkit for building and optimizing complex browser-based applications. Its goal is to enable productive development of high-performance web applications without the developer having to be an expert in browser quirks, XMLHttpRequest, and [JavaScript](#).

[Hibernate](#)

Object-relational mapping tool for the Java programming language. It provides a framework for mapping an object-oriented domain model to a relational database. Hibernate is a persistence framework which is used to persist data from [Java](#) environment to database.

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