JAVA FRAMEWORKS FOR 2025

Java remains a powerful choice for web application development, and selecting the right framework is key for success.

1 Spring Boot

Spring Boot simplifies development with convention-over-configuration and integrates with cloud platforms.

2 Jakarta EE

Jakarta EE, formerly Java EE, is the enterprise Java standard with a comprehensive suite of APIs for building robust systems.

3 Quarkus

Quarkus, the 'Supersonic Subatomic Java' framework, excels in Kubernetes-native environments and optimizes resource usage.

4 Micronaut

Micronaut reduces runtime overhead with compile-time dependency injection and ahead-of-time compilation, ideal for high-performance APIs.
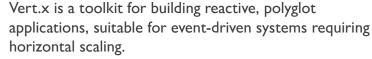
5 Play Framework

Play Framework's MVC architecture and non-blocking I/O model ensure scalability, ideal for real-time applications.

6 Vert.x

Vert.x is a toolkit for building reactive, polyglot applications, suitable for event-driven systems requiring horizontal scaling.

7 Dropwizard

Dropwizard bundles proven libraries into a lightweight runtime, ideal for rapid API development and monitoring tools.

8 Helidon

Helidon offers two profiles, SE for microprofiles and MP for Jakarta EE, balancing simplicity and enterprise rigor, ideal for hybrid apps.

9 JNoSQL

Eclipse JNoSQL abstracts NoSQL database interactions, enabling polyglot persistence, ideal for big data applications.

10 Spark

Spark's minimalist syntax accelerates prototyping and small-scale web apps, ideal for MVP development and internal tools.

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Choosing the right Java framework depends on aligning technical requirements with business goals, whether it's scalability, compliance, or speed to market.