



JAVA

SECURE AND LASTING FOR CROSS-PLATFORM APPLICATIONS OBJECT-ORIENTED PROGRAMMING LANGUAGE

Java is extremely popular among software developers and is one of the most well-known programming languages. The nearly unbeatable advantage: running on the Java Virtual Machine (JVM) makes applications independent from the underlying operating system. Once a Java application has been written, it runs cross-platform on every system, where a Java Runtime exists. The JVM has matured over recent years in an unrivaled way and impresses with sustainability, outstanding performance as well as a fully-fledged toolchain. Its optimizations for long-running and exclusive server applications facilitate the creation of other modern programming languages like Kotlin or Groovy.

ADVANTAGES OF JAVA

- Sustainability of the technology and worldwide-available Java developers
- Leading programming language for business applications
- Due to the exceptional flexibility of this programming language, software written in Java has the ability to be easily updated. This is especially important for business environments which continuously evolve, such as fluctuating interest-rate markets, ever-changing legal guidelines or expanding business work flows.
- Ideal for holistic and heterogeneous applications as on-premise and cloud solutions (Docker and OpenShift or Kubernetes are some of the technologies applied here)
- Other programming languages in the JVM ecosystem like Kotlin, Groovy or Scala accelerate both development time as well as run time

An active, open-source community is developing high-end tools such as Spring, Hibernate, Vaadin, Elasticsearch, Apache Cassandra, Apache Kafka (based on Scala), Jenkins and SonarQube, further proving the versatility and strength of this popular programming language.

AERIS EXPERTISE – APPLICATIONS & ARCHITECTURES

- Transactional back-end systems with databases
- Big-data pipelines, fully distributed and highly customizable IoT platforms
- Interfaces between heterogeneous and multi-language systems, web services and REST APIs
- Monitoring

WHY JAVA IS SO VALUABLE TO AERIS' CLIENTS

- Reliable, stable and modern applications with high flexibility, efficient testing strategies and source code of high quality
- Highly effective and outstanding software development in Java in combination with other programming languages like Kotlin, Groovy, JavaScript and many more
- Comprehensive know-how and experience with a multitude of libraries and frameworks
- Efficient implementation of agile projects together with DevOps (among others, using continuous deployment tools)
- Simple integration into existing IT environments — independent of programming language, operating systems or communication protocols
- Solutions available for stand-alone applications, micro-services, server or container-based applications
- Knowledge transfer to the development team of our clients