

Java Power



3 Billion

devices run Java—in your home, your car, and your office.



12 Million

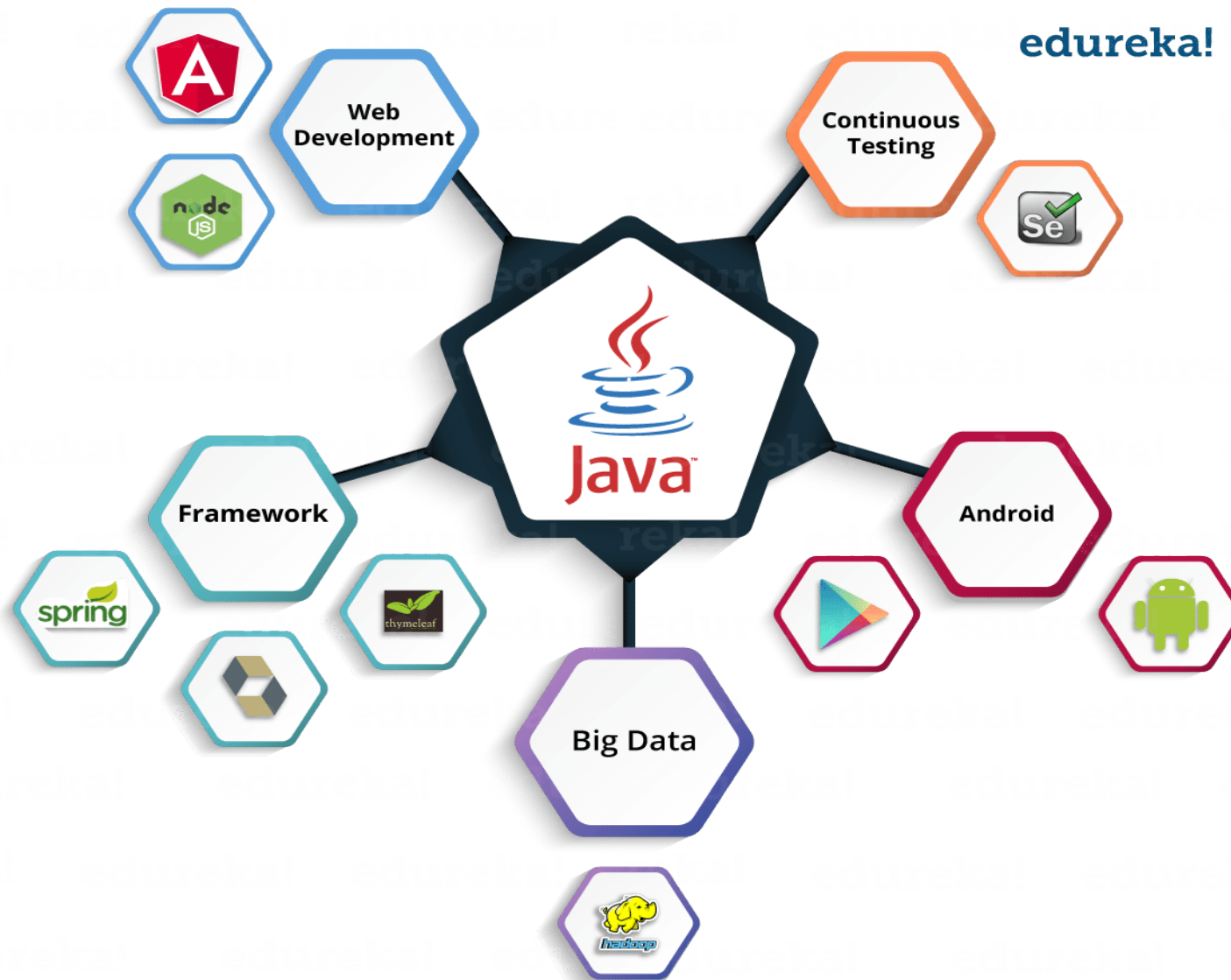
Java developers worldwide.



25+ Billion

Java Cards sold.

Java Uses

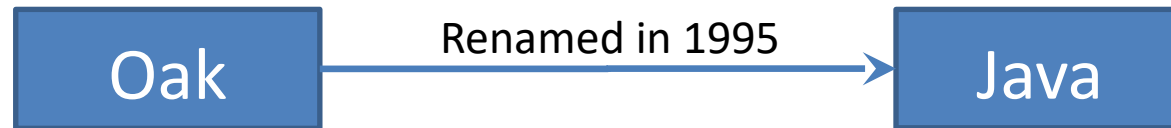


Java Uses

- **Banking:** To deal with transaction management.
- **Retail:** Billing applications that you see in a store/restaurant are completely written in Java.
- **Information Technology:** Java is designed to solve implementation dependencies.
- **Android:** Applications are either written in Java or use Java API.
- **Financial services:** It is used in server-side applications.
- **Stock market:** To write algorithms as to which company they should invest in.
- **Big Data:** Hadoop MapReduce framework is written using Java.
- **Scientific and Research Community:** To deal with huge amount of data.

History of Java

- James Gosling, Patrick Naughton, Chris Warth, Ed Frank and Mike Sheridan (Green Team) at Sun Microsystems, Inc. conceived Java in 1991.
- Initially named as Oak language.



Java is...

- Concurrent
- Object Oriented
- Independent

Components of Java

- Java Virtual Machine (JVM)
- Java Runtime Environment (JRE)
- Java Development Kit (JDK) [Current Version: JDK 13.0.1]

Java's Magic : Bytecode

- Bytecode is a highly optimized set of instructions designed to be executed by the Java Virtual Machine(JVM).
- Bytecode makes Java Platform independent language.

