



Vietnam National University of HCMC
International University
School of Computer Science and Engineering



Web Application Development

Discussion about Java and Other Technologies

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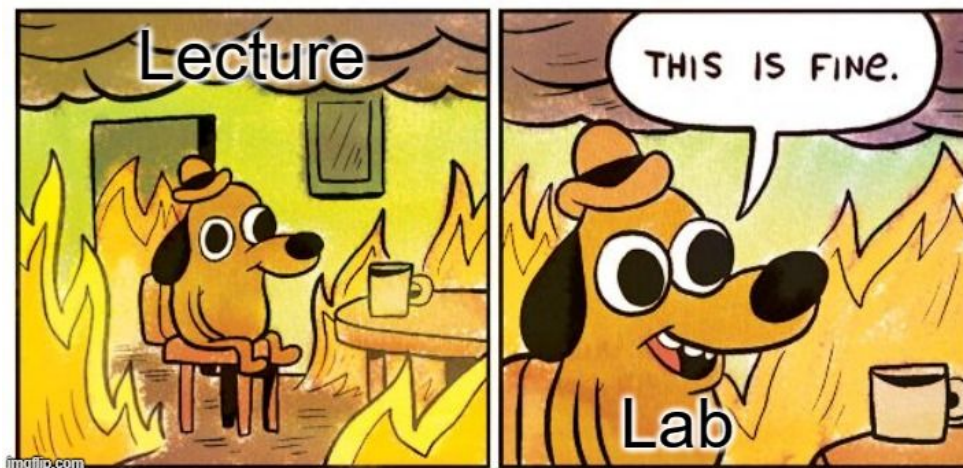
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Agenda



- Discuss about the technology landscape of the world. (Stack Overflow Developer Survey 2021)
- Popular frameworks, libraries and tools you should look into.
- Why is Java still popular in Vietnam?
- What kind of technologies to go with Java? (Java Developer Productivity Survey 2022)



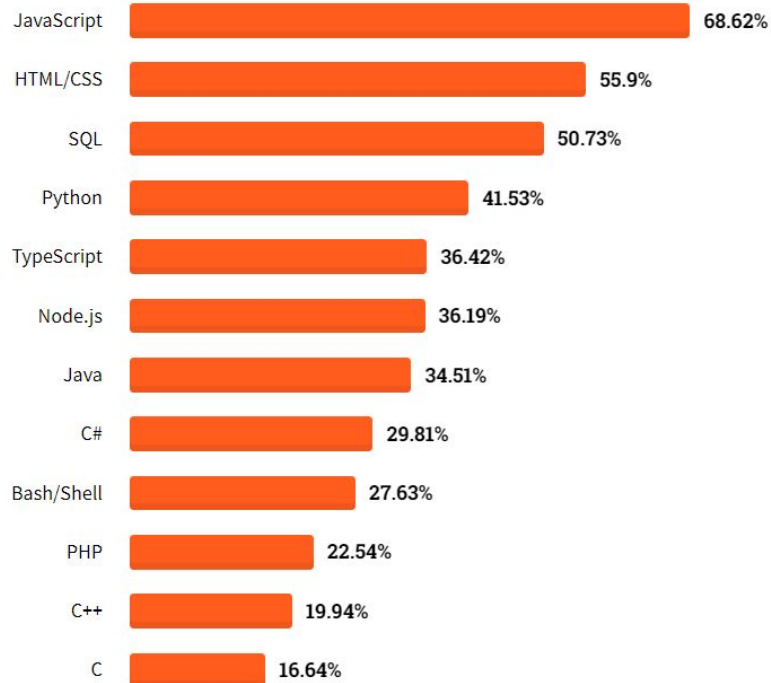
Stack Overflow Developer Survey 2021

To discuss about different popular technologies and frameworks to learn

Programming, scripting, and markup languages



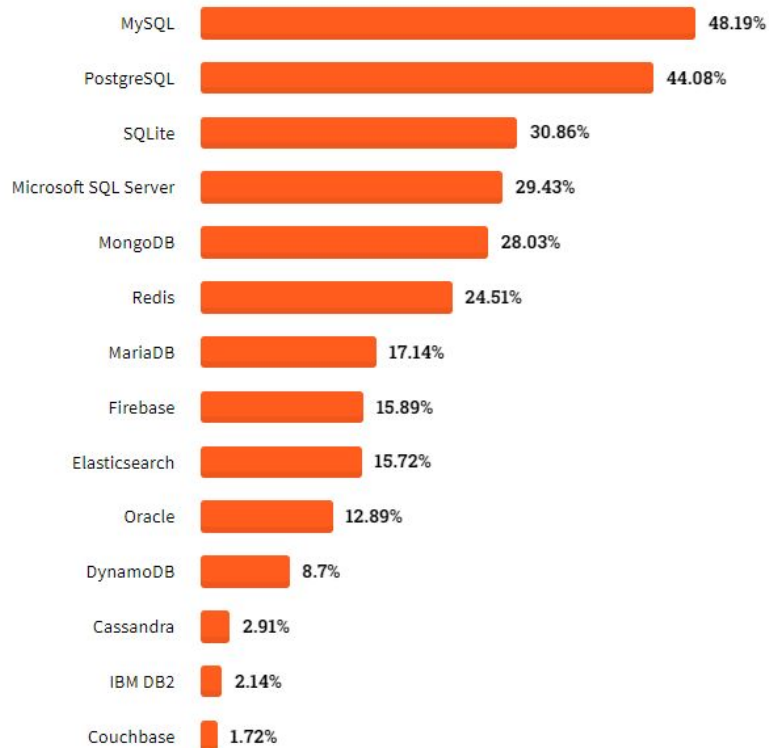
Professional Developers



Database



Professional Developers

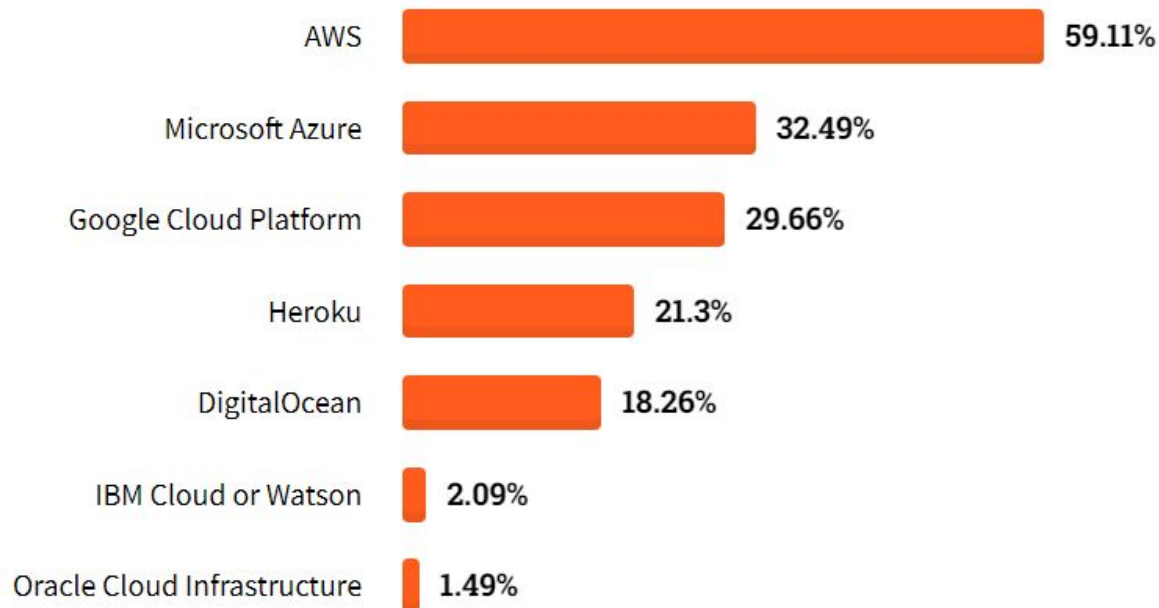


Cloud Platform

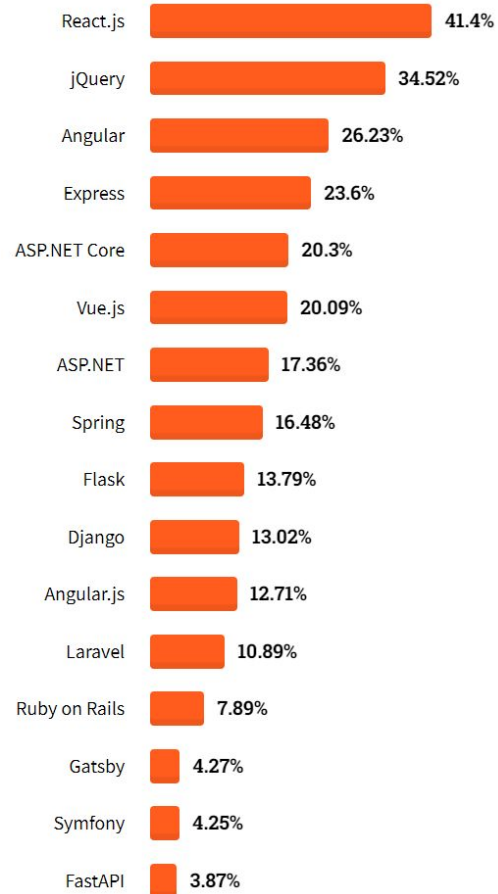


All Respondents

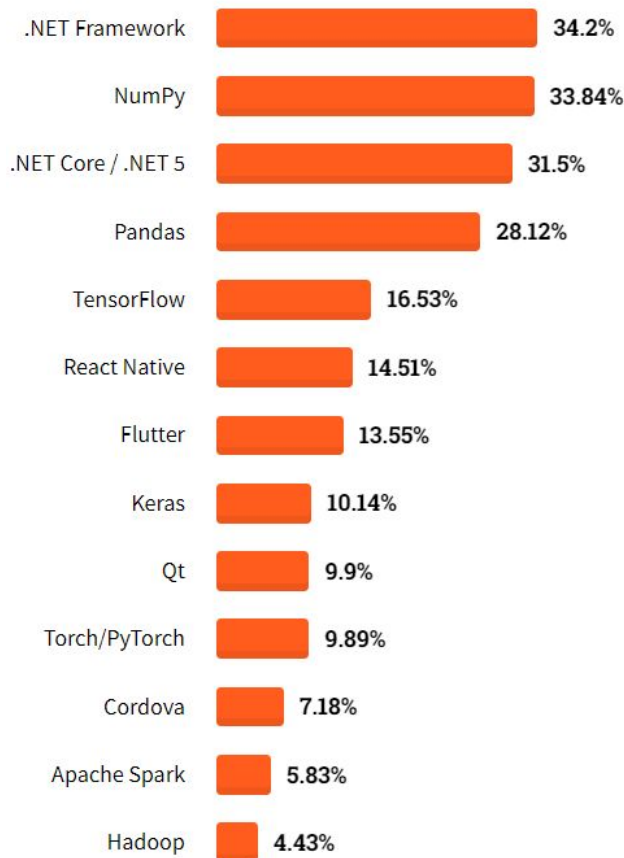
Professional Developers



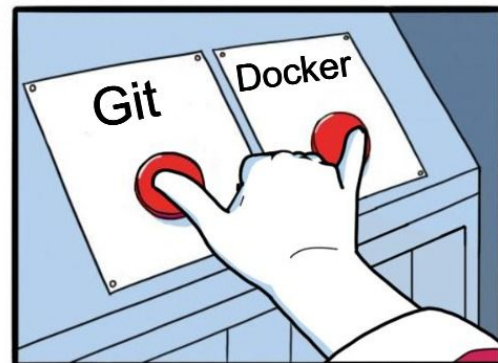
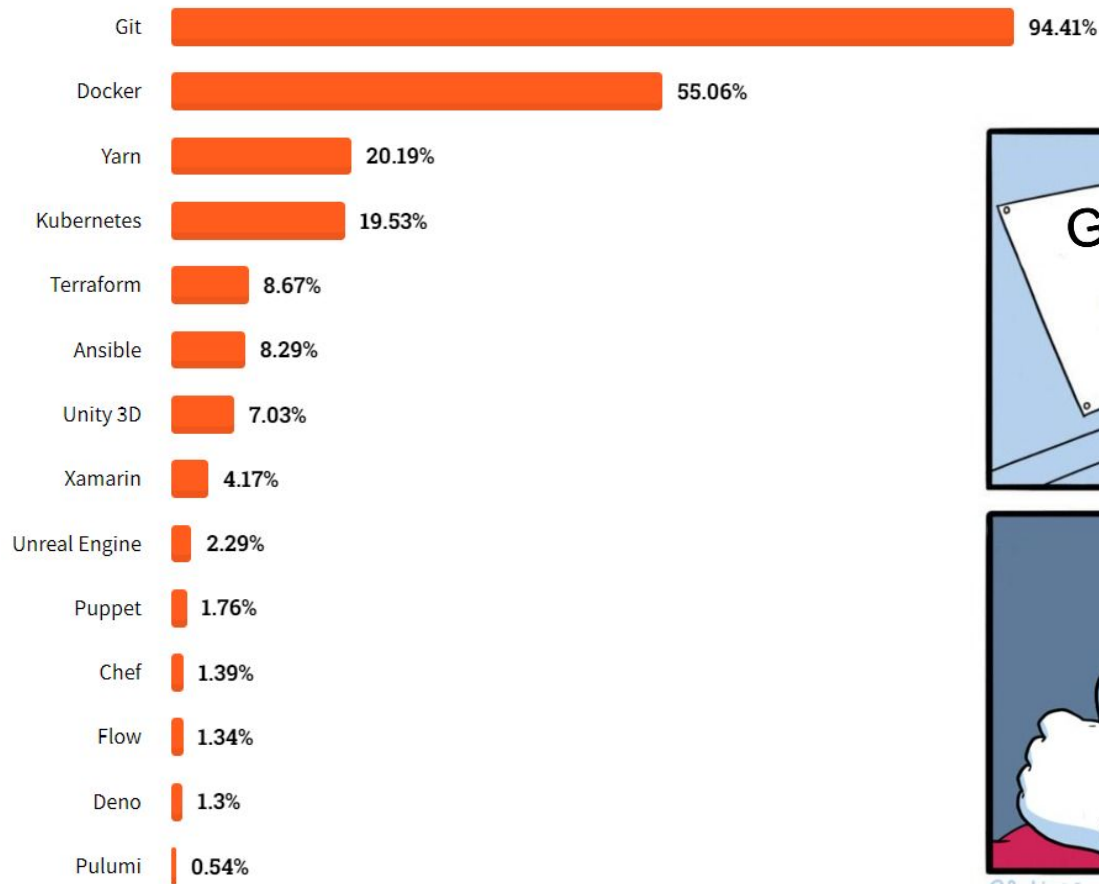
Web Frameworks



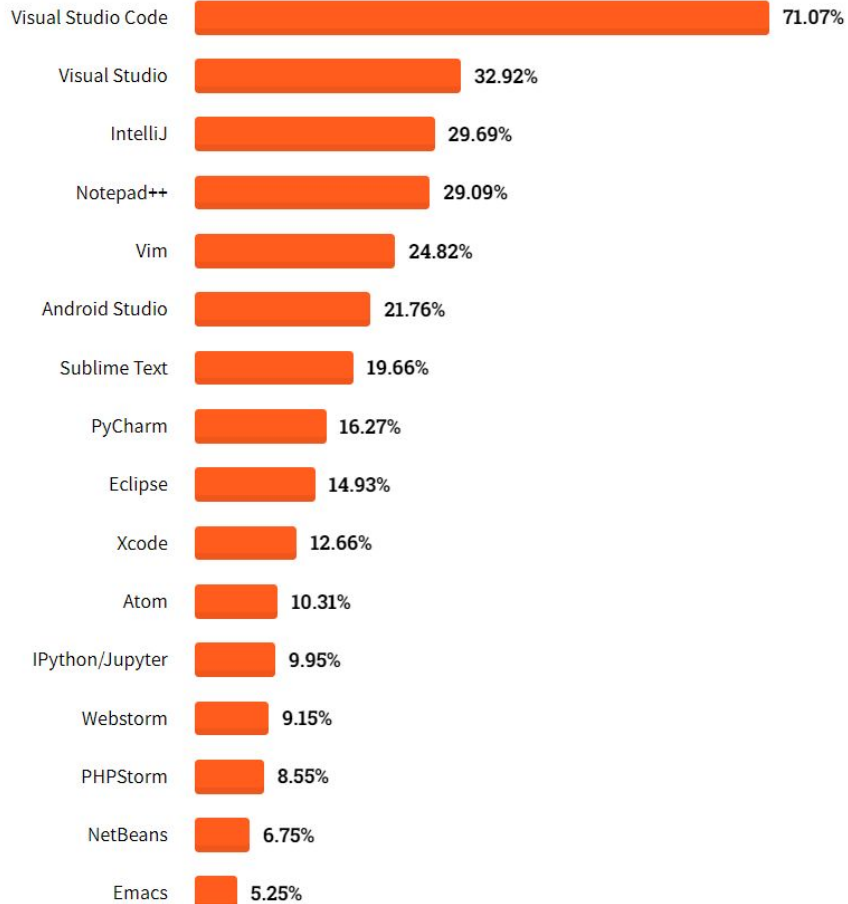
Other Popular Framework and Libraries



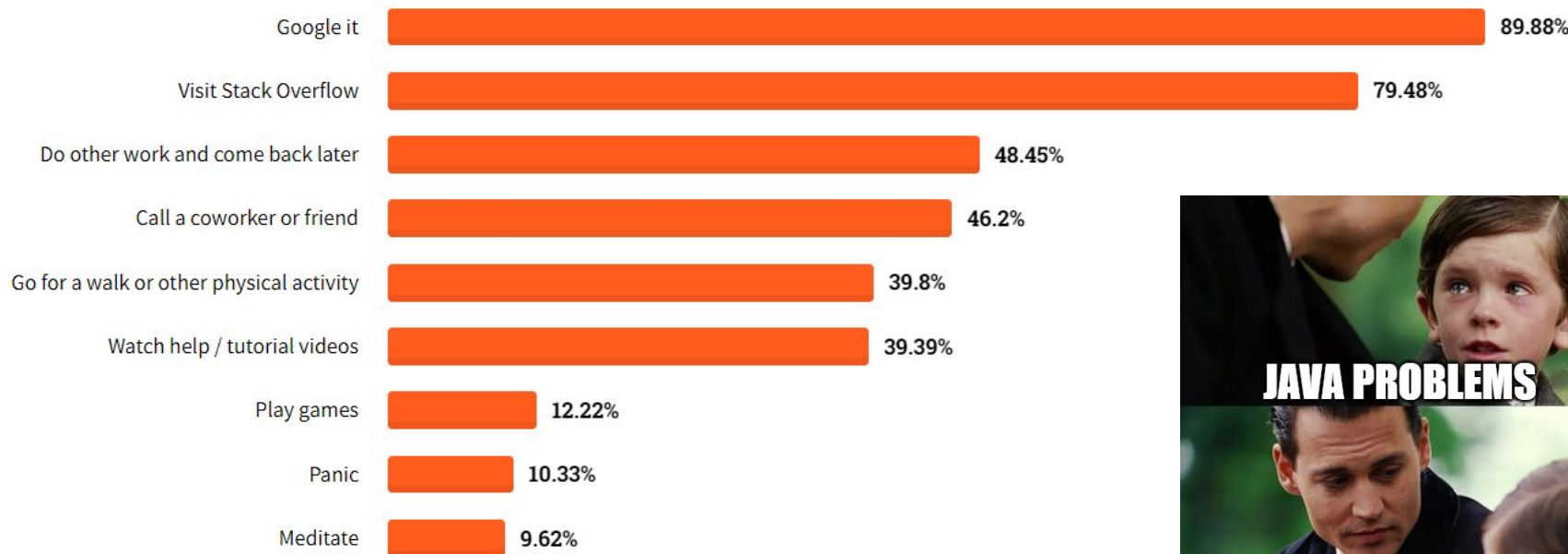
Other Popular Tools



Popular IDEs



What do you do when you get stuck?



Why should we learn Java?

Java

- Java is one of the **most popular** languages in the world.
 - Run on **15 billion** devices
 - Used by **12 million** developers
- Beginner Friendly
 - Large Community
 - Excellent Document Support
- Many big tech companies used Java as their back-end systems



Java is still the king of job market in Vietnam



Attractive Salaries in Vietnam



Senior Java Developers

\$ 2,000 - 2,300 USD



Mid-Senior Java Dev (Spring, SQL, HTML)

\$ 1,500 - 2,500 USD



Backend Developer (Java/Spring)

\$ 1,200 - 3,500 USD

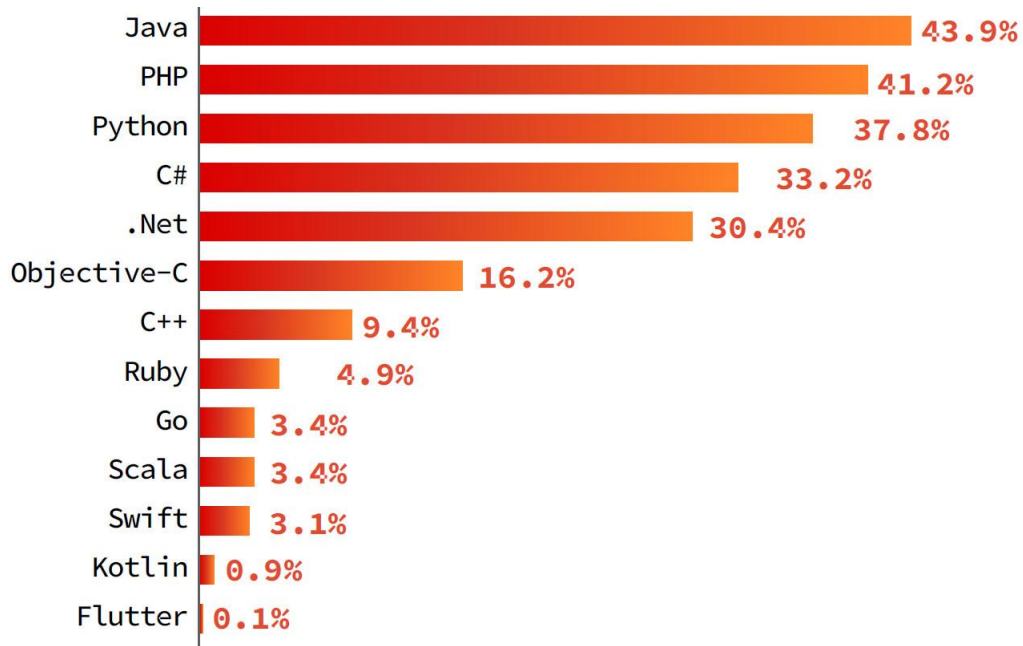


Java Developer (Spring, MySQL)

\$ 1,000 - 2,500 USD

The most popular language at work in Vietnam

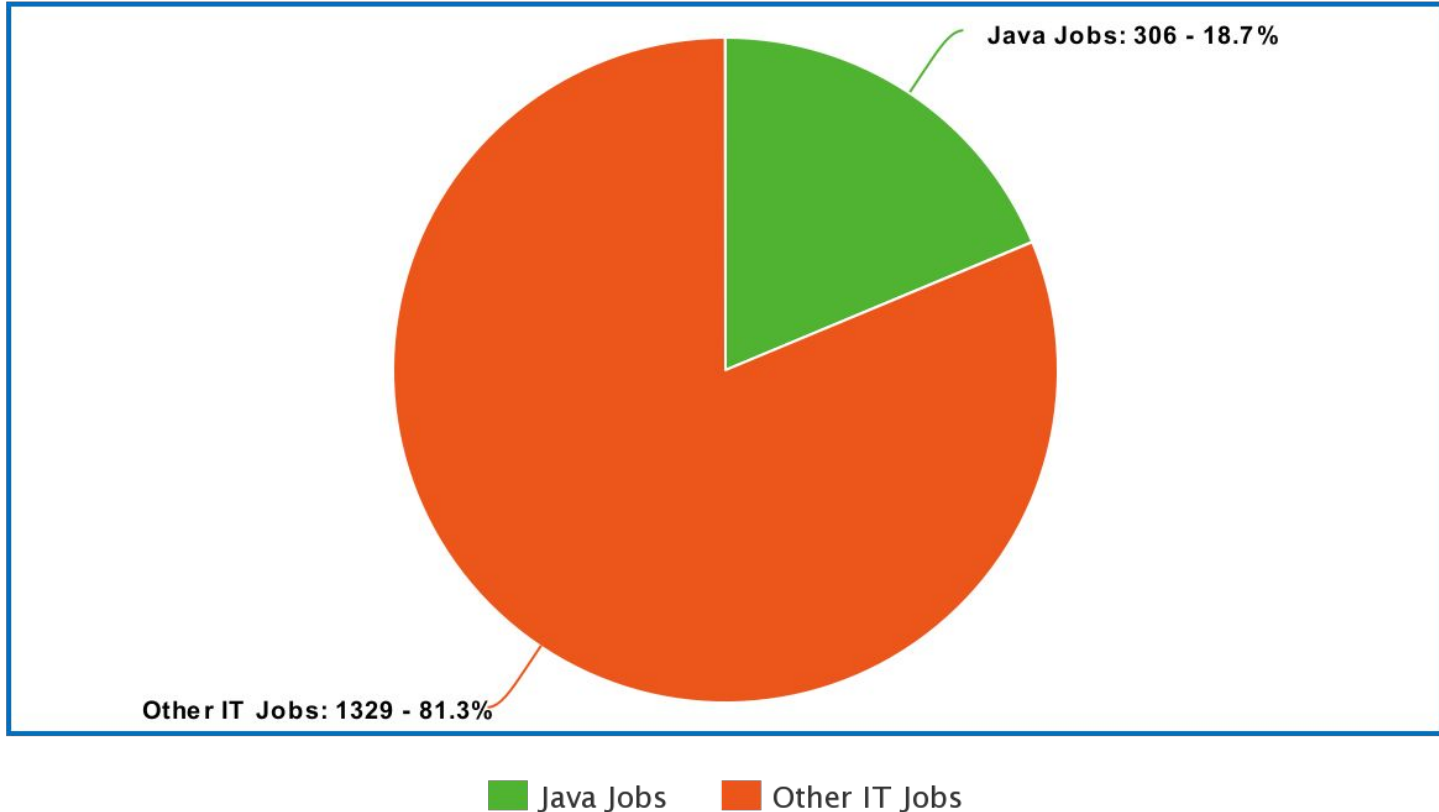
(Vietnam Developer Report 2019)



Nearly 1 out of every 5 IT jobs is Java

Java Job Market

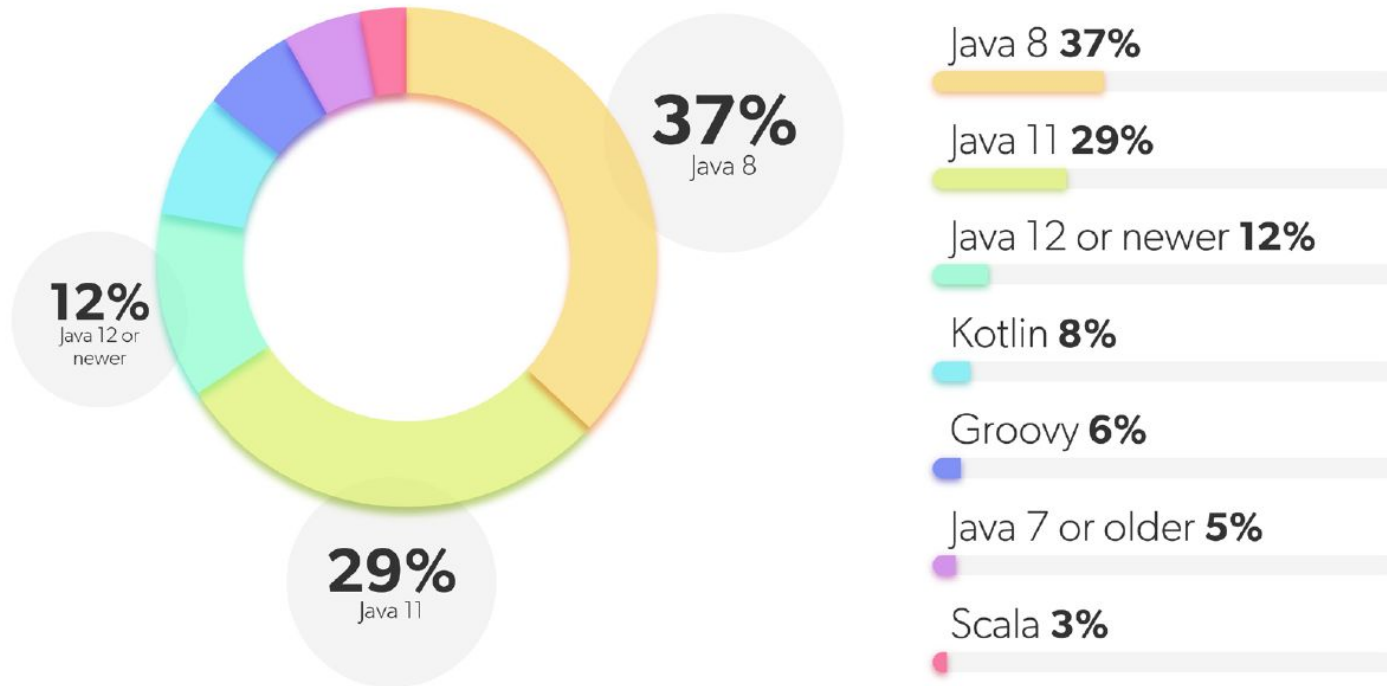
ITViec.com



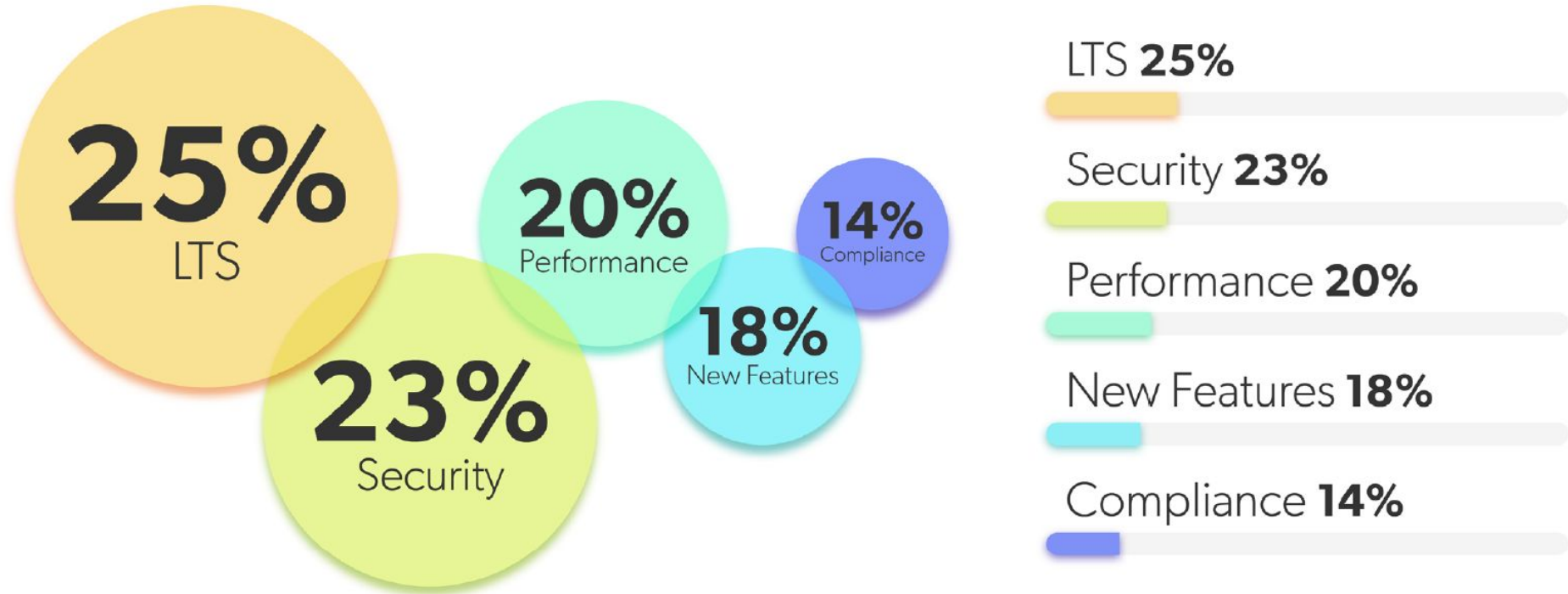
Java Developer Productivity Survey 2022

To get you started with labs this week

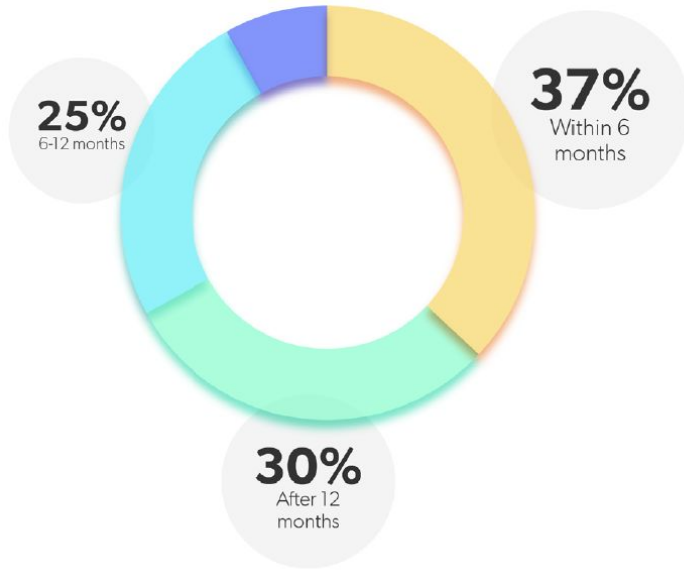
Which JDK Programming Languages are You Using in Your Main Application?



Which Factors Influence Your Decision to Upgrade JDK Versions?



When Will You Upgrade to JDK 17?

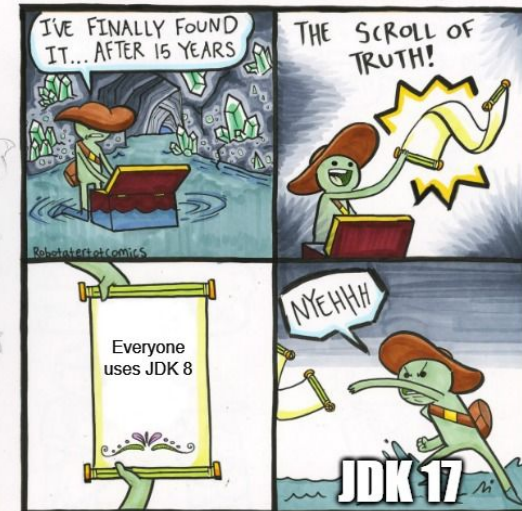


Within the next 6 months **37%**

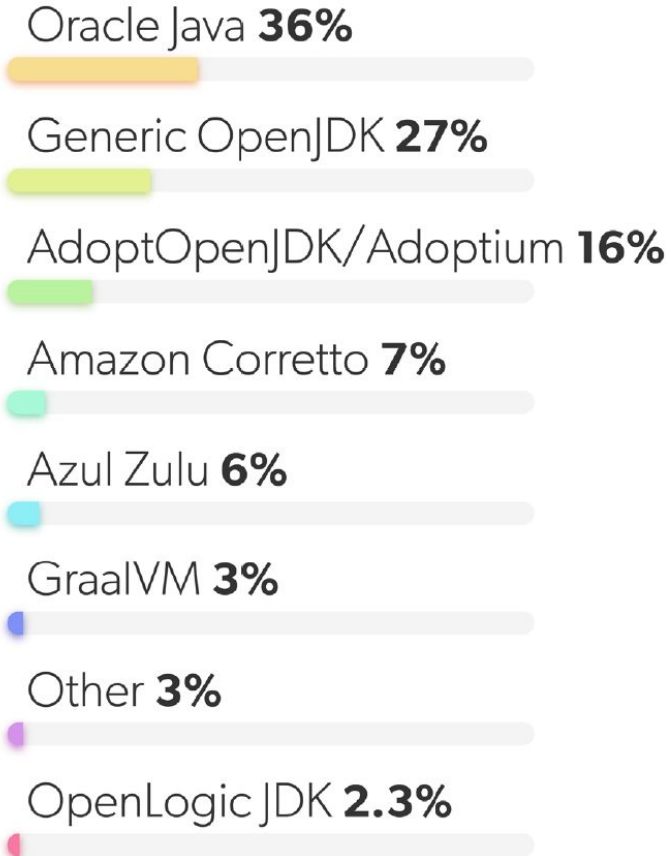
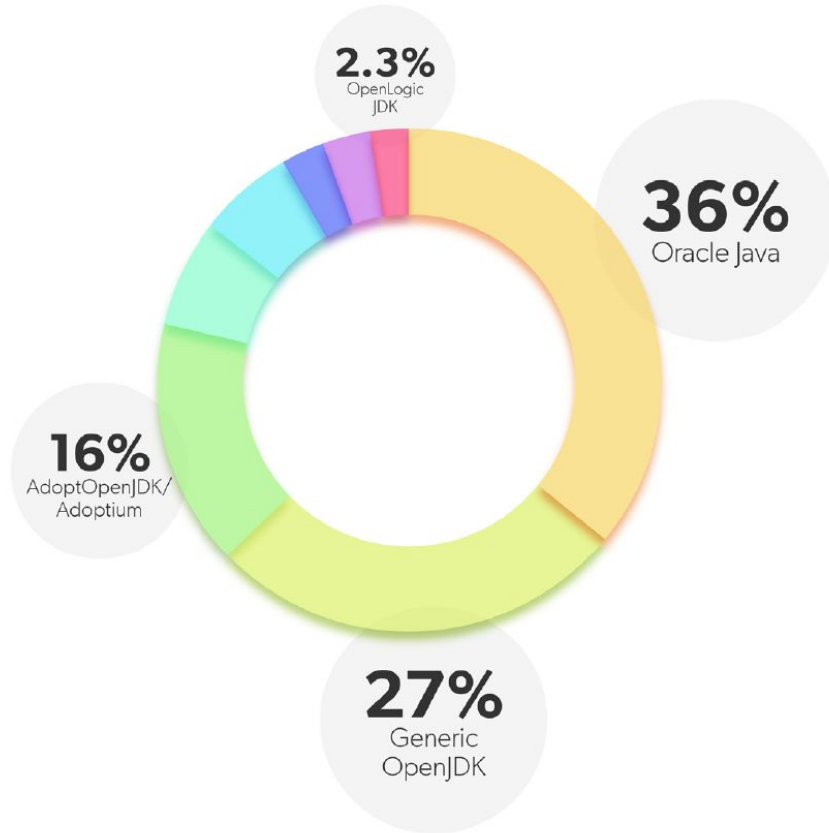
Sometime after the next 12 months **30%**

Between 6-12 months **25%**

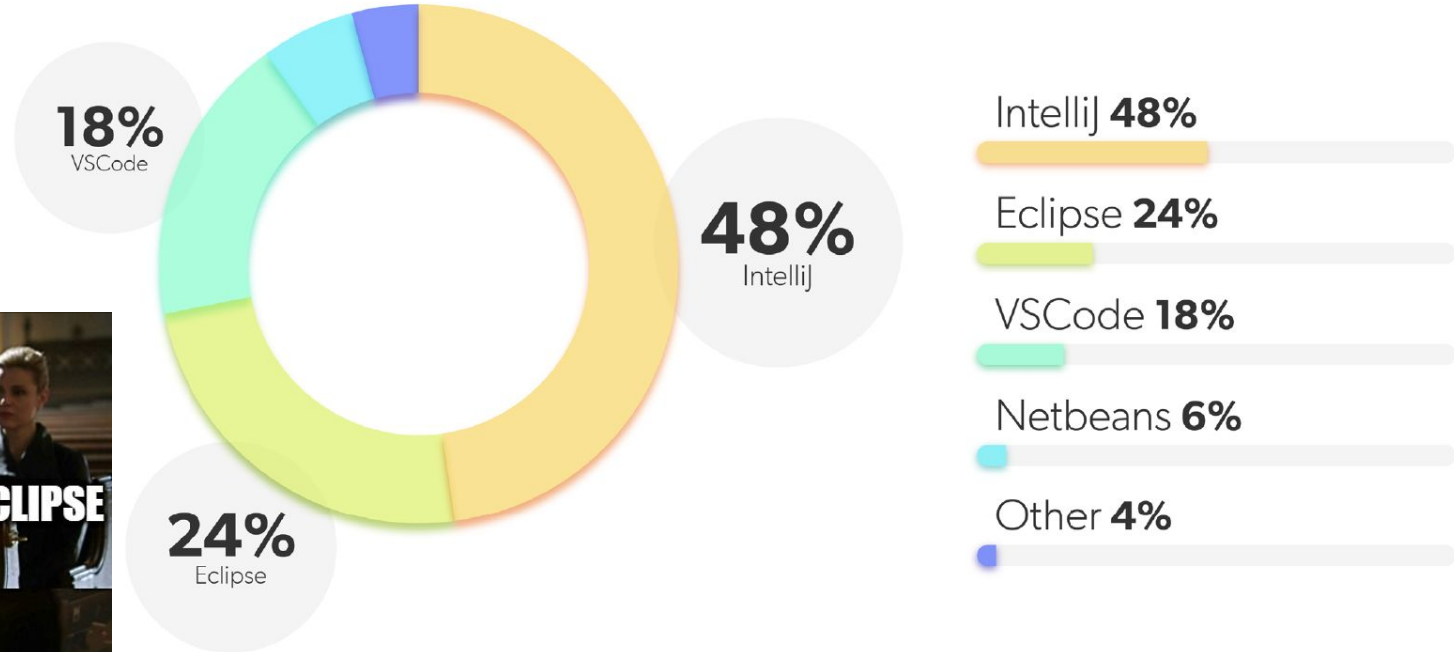
Never **8%**



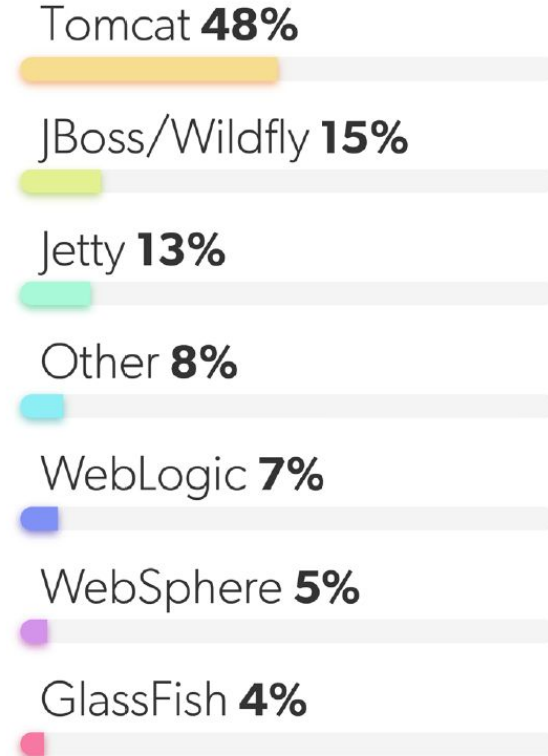
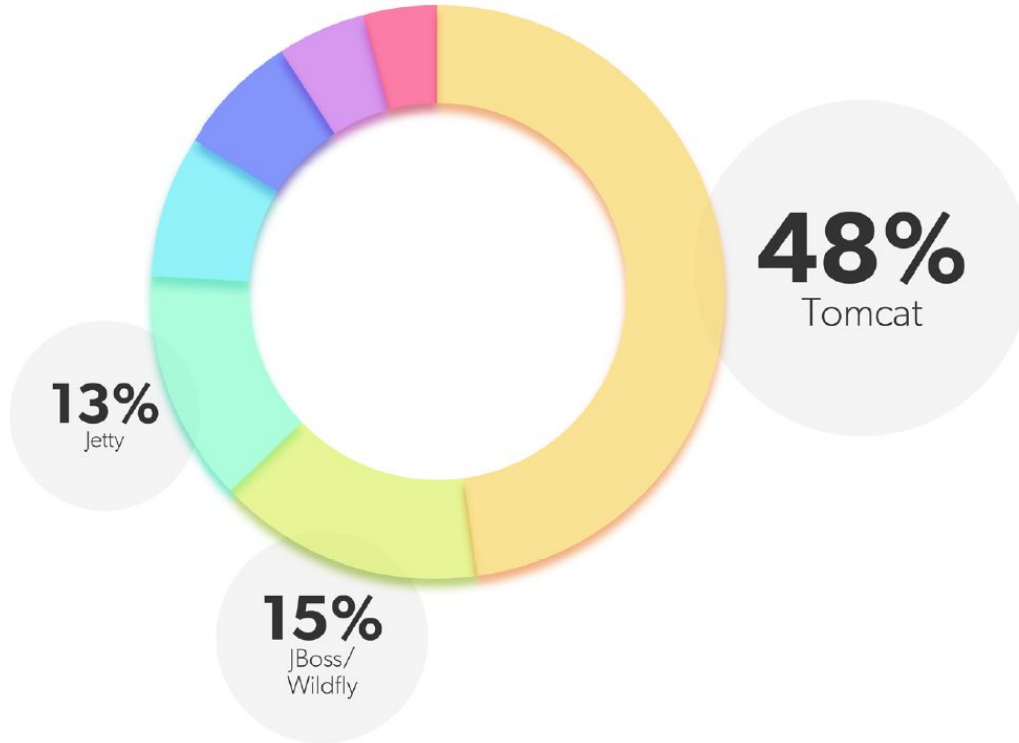
What JRE/JDK Distribution Do You Use?



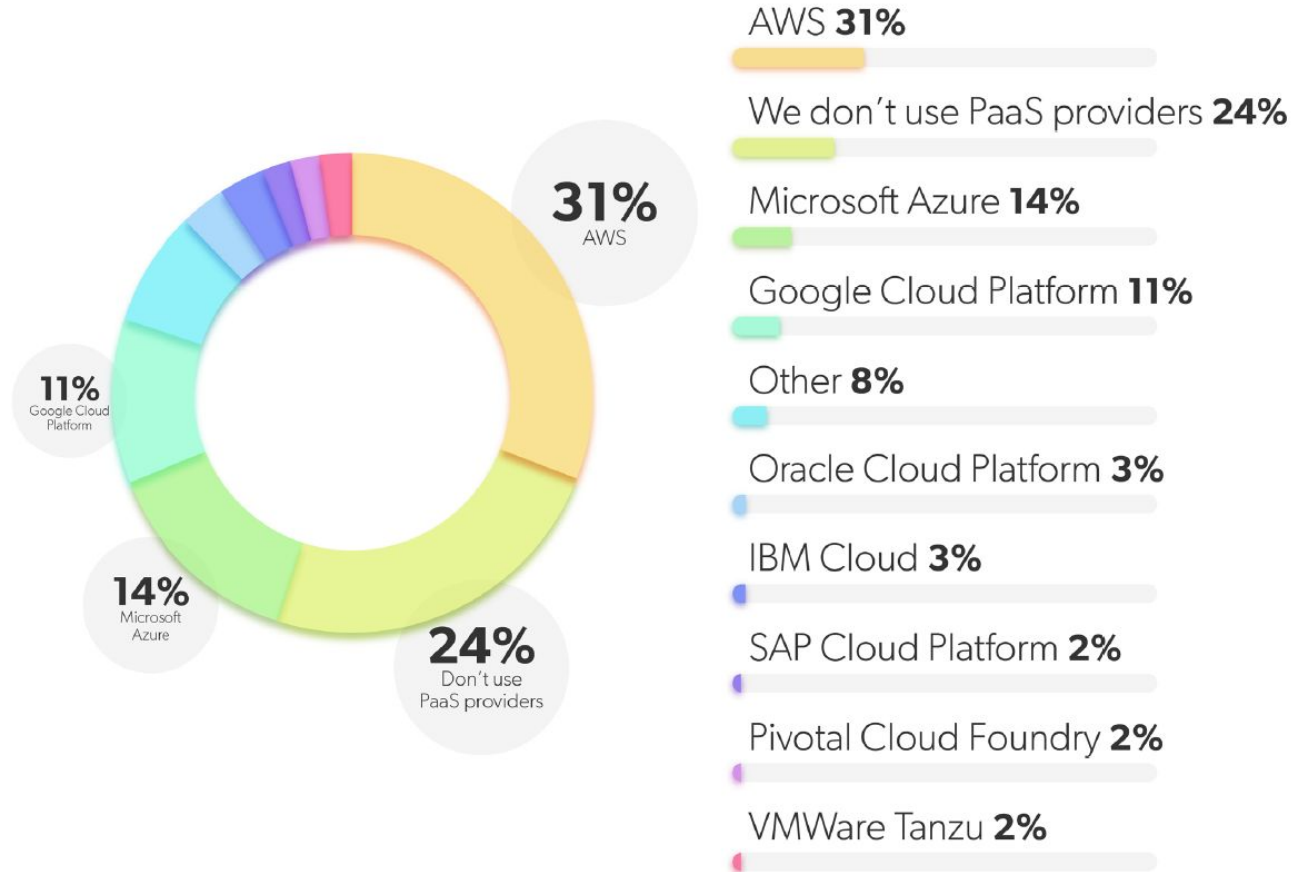
What Developer IDE Do You Use Professionally?



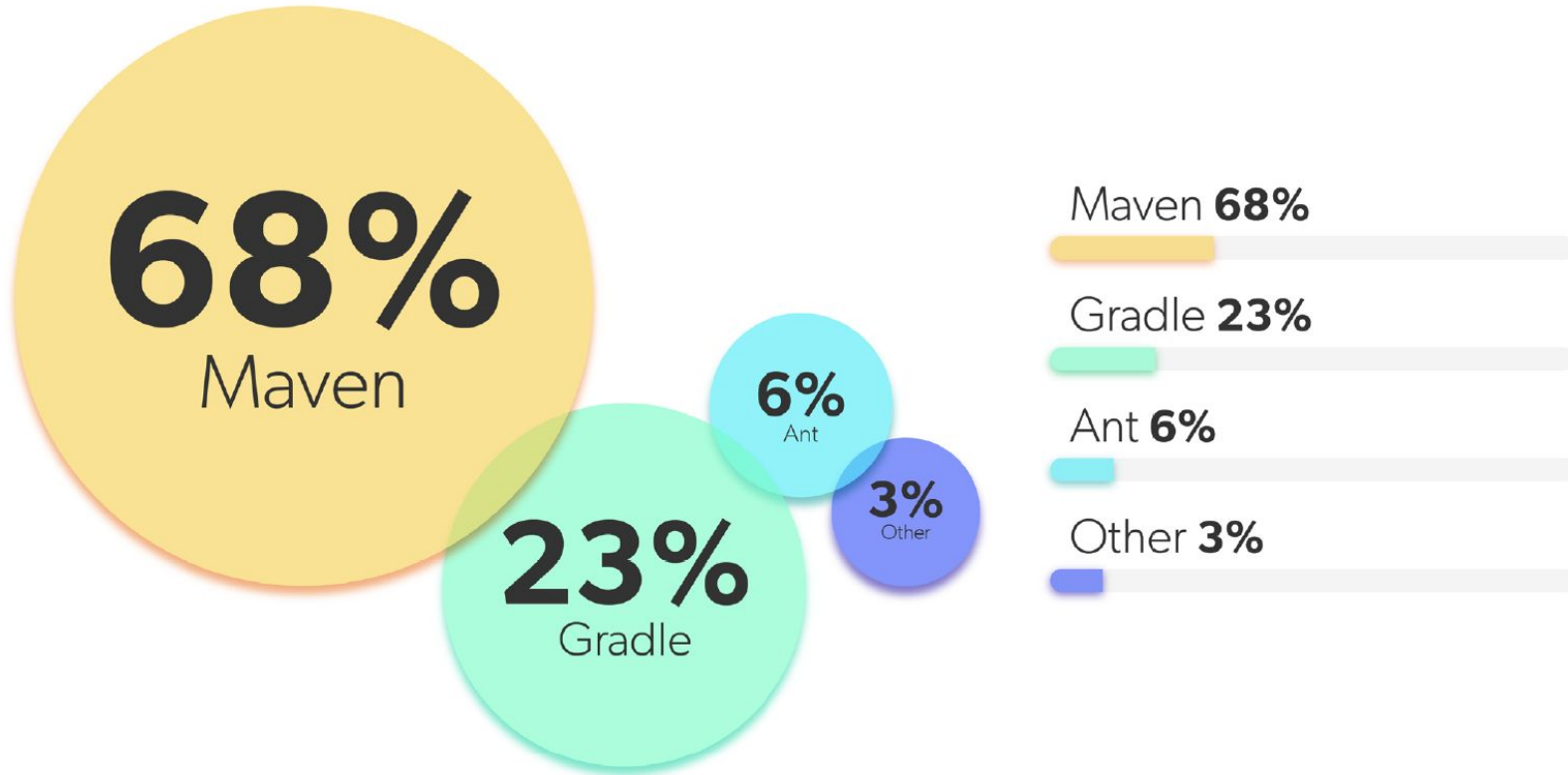
What Application Server Do You Use on Your Main Application?



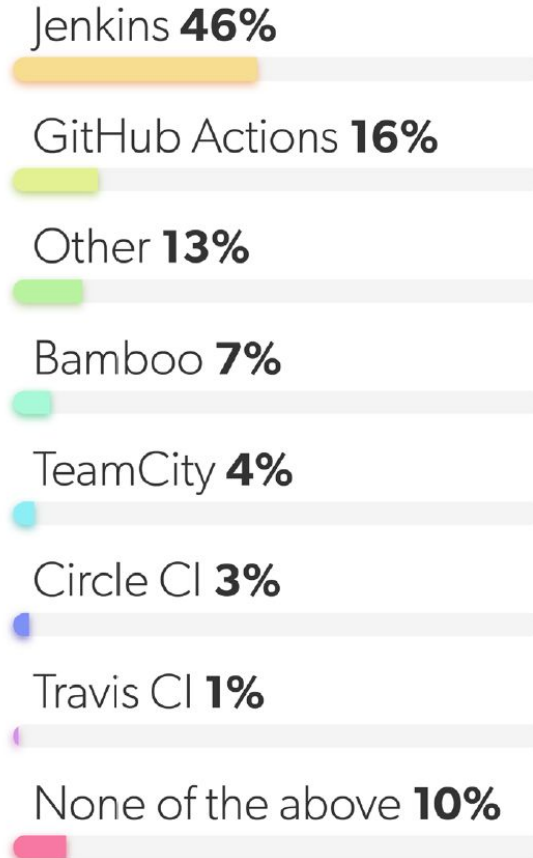
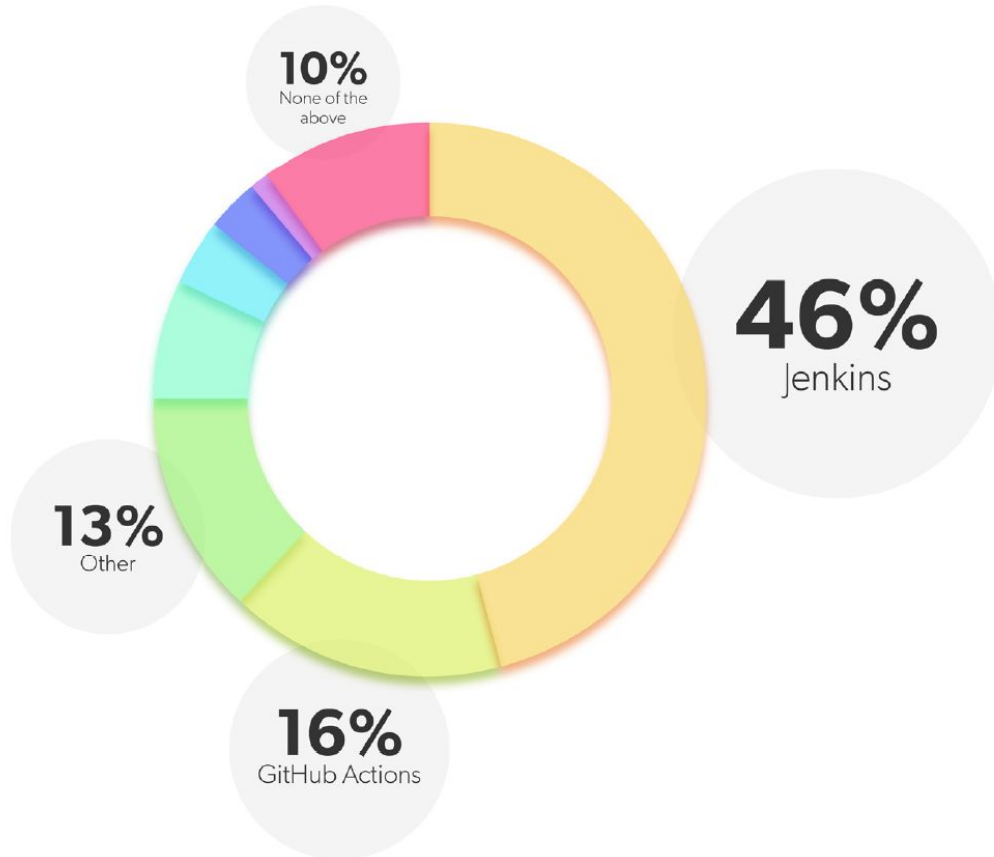
If You Use a Platform, Who is Your PaaS Provider?



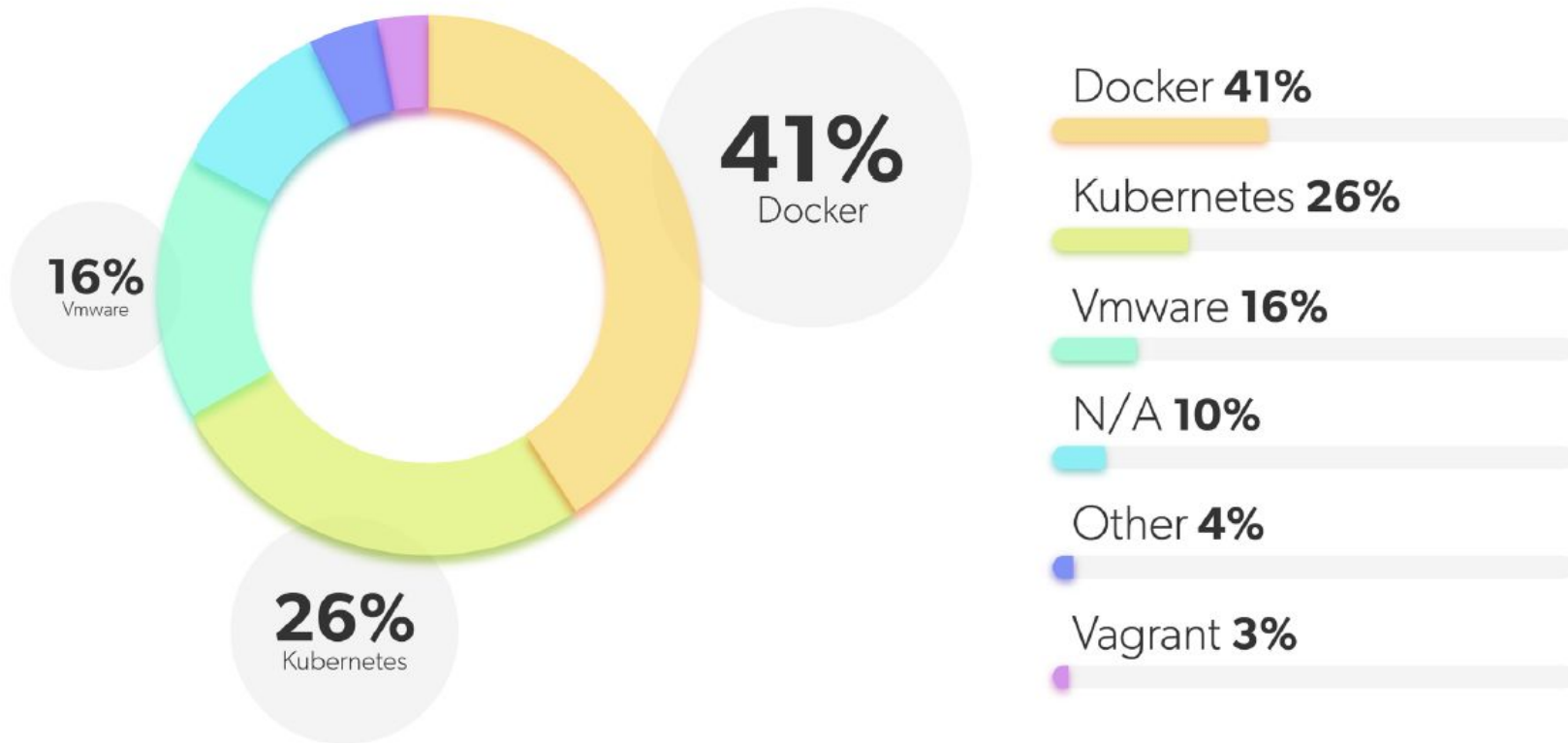
What Build Tool Do You Use in Your Main Application?



Which CI/CD Technologies Are You Using?



Which Virtual Machine Platform Do You Use?



Thank you for your listening!

**“One who never asks
Either knows everything or nothing”**

Malcolm S. Forbes

