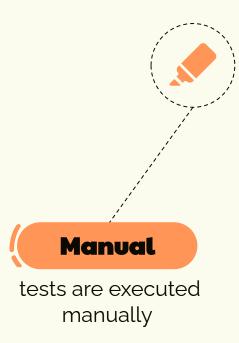
Roadmap to become a Software Test Engineer

2022

By Lamhot Siagian

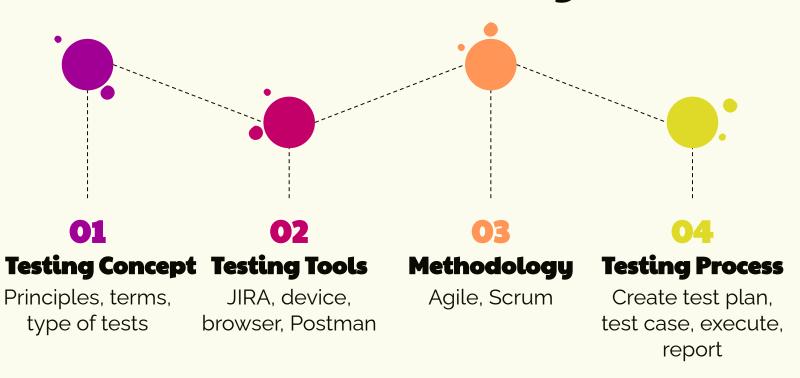
Software Testing



testers write scripts to automate test execution

Automation

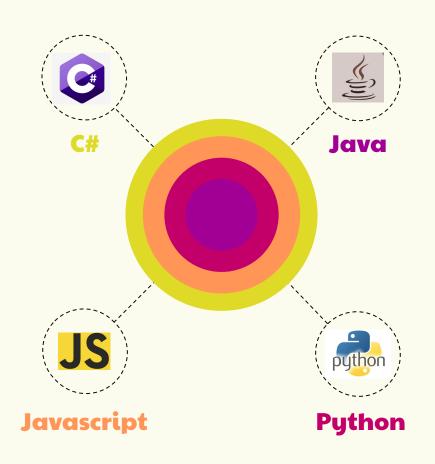
Manual Testing



20 Top Test Management Tools

```
#1) Zephyr Scale
#2) PractiTest
#3) Zephyr Squad
#4) TestCollab
#5) Requirements and Test Management for Jira (RTM)
#6) XQual
#7) Xray - Cutting Edge Test Management
#8) TestRail
#9) Kualitee
#10) TestFLO for JIRA
```

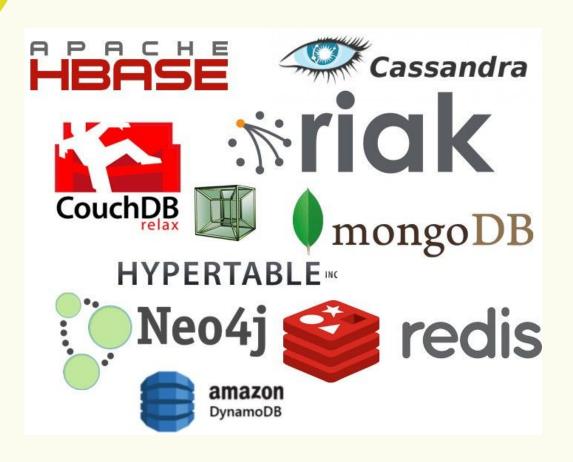
#11) SPIRATEST by Inflectra #12) Qase #13) Testiny #14) TestMonitor #15) Testpad #16) JunoOne #17) Klaros-Testmanagement #18) QACoverage #19) JIRA #20) QAComplete



Programming Skill

You need to know at least one of this programming language or another language





Database Testing Skill

You need to know and utilize at least one of this database or another database



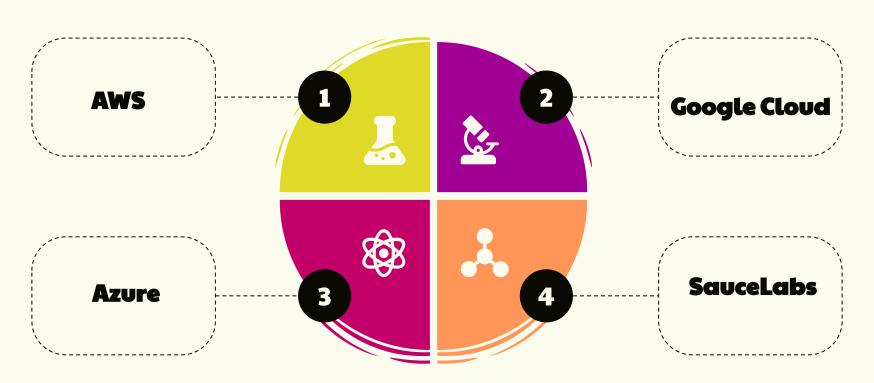
Type of Testing



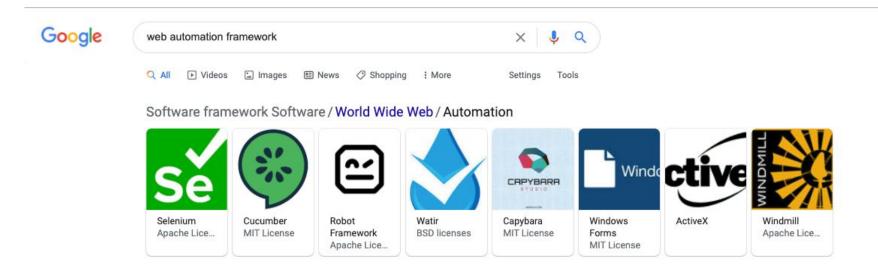
Web Testing

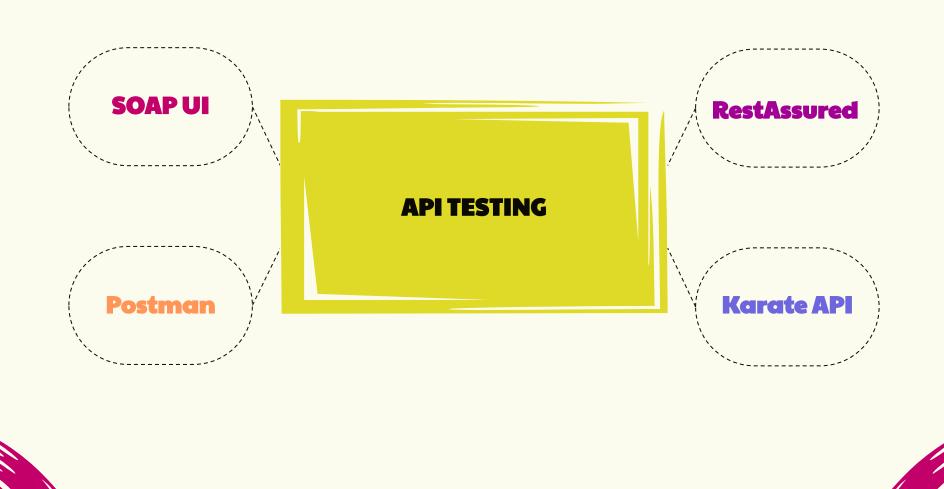


Web Cloud Testing

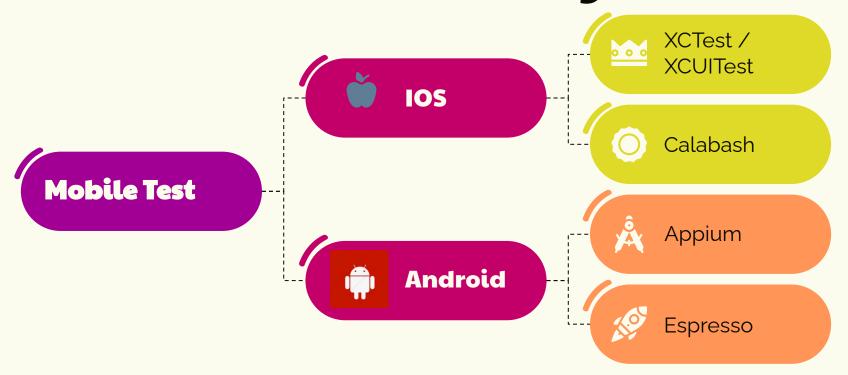


Web Automation Framework





Mobile Testing



Device Cloud Testing

AWS

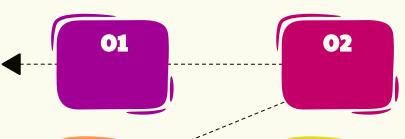
AWS Device Farm

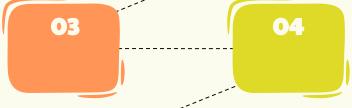
Firebase

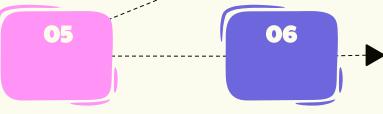
Firebase Test Lab for Android

Perfecto

Test on Real Android & iOS Devices.







Kobiton

Real Mobile Device Testing

Bitbar

A Device Cloud Infrastructure

SouceLab

offers both a public and private Real Device Cloud

Performance Testing

JMeter

Apache JMeter Locust

An open source load testing too

LoadUI

LoadUI is a load testing software

LoadRunner

software testing tool from Micro Focus Rational

IBM Rational Performance







Security Test

Security testing is a process intended to reveal flaws

CI/CD



build automation tool for Java



Version Control



Gradle

build automation tool for multi-language



Bamboo

CI server that can be used to automate the release



Jenkins

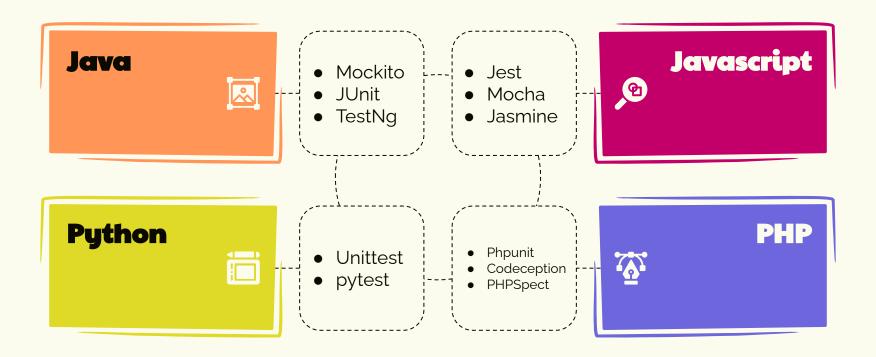
free and open source automation server



Docker

deliver software in packages called containers

Unit Testing



Thanks!

Do you have any questions?

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Lamhot Siagian



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