Software Testing
+
Automation Testing
(Selenium + python)

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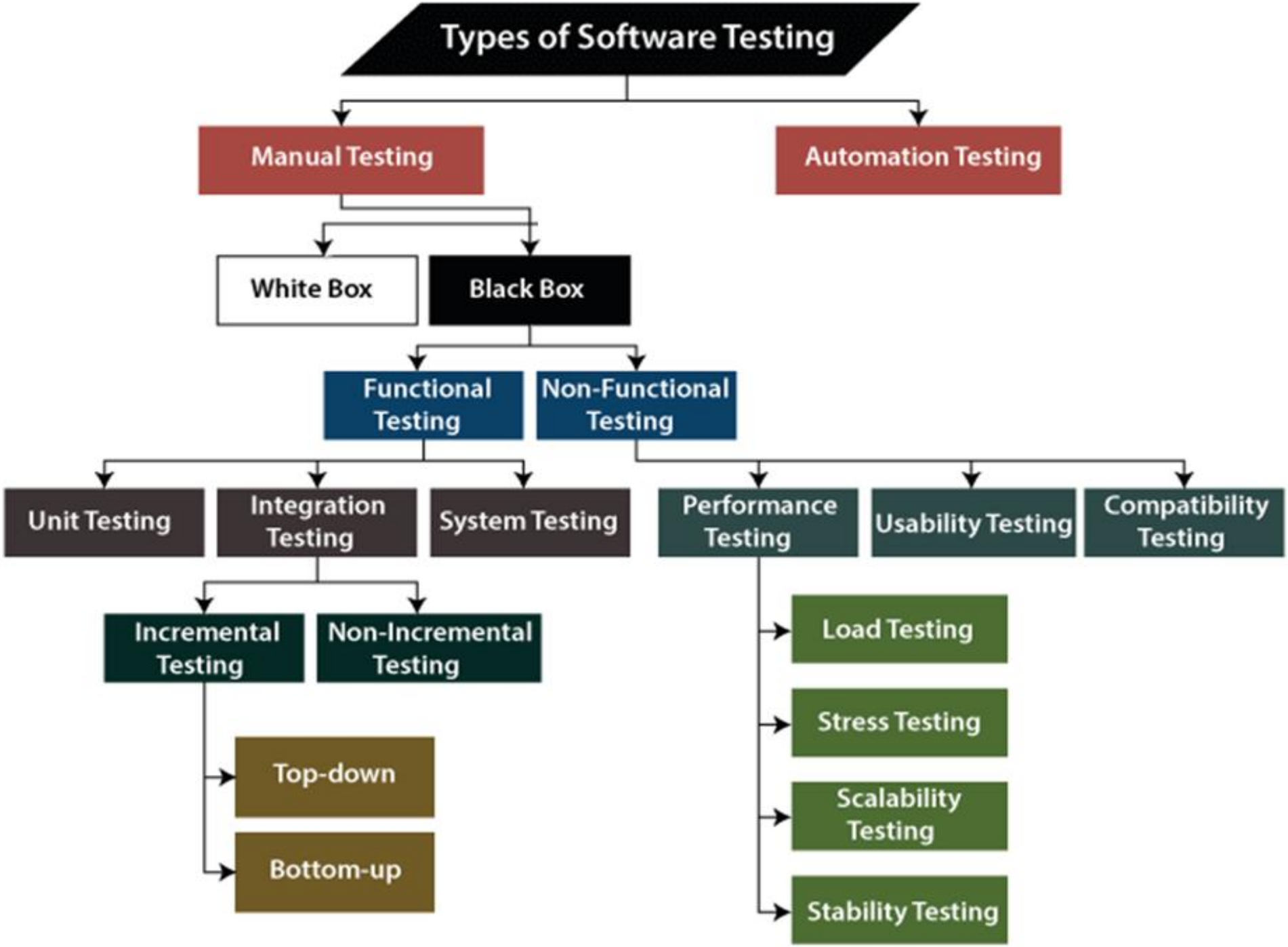
Experience : 12 +

Agenda :

- What is Software & Its Need
- What is Software Testing
- Different Types of software Testing
  - Manual
  - Automation
- Roles & Growth in software testing
- Career as software tester
- Why Automation Testing
- Why Selenium + Python
- FAQ

What is Software :

What is Testing:


Types of Software Testing
Manual Testing
Automation Testing
White Box
Black Box
Functional Testing
Non-Functional Testing
Unit Testing
Integration Testing
System Testing
Performance Testing
Usability Testing
Compatibility Testing
Incremental Testing
Non-Incremental Testing
Top-down
Bottom-up
Load Testing
Stress Testing
Scalability Testing
Stability Testing

Types of software testing

Software testing assesses the functionality of a software program.

REGRESSION TESTING
ensures whether the addition of new features causes a decline in the functionality of an application. It's typically repeated after each build.

UNIT TESTING
ensures each individual unit or component performs as expected. It's typically conducted during the app development phase.

FUNCTIONAL TESTING
checks each function against functional requirements. A black-box test is a common example.

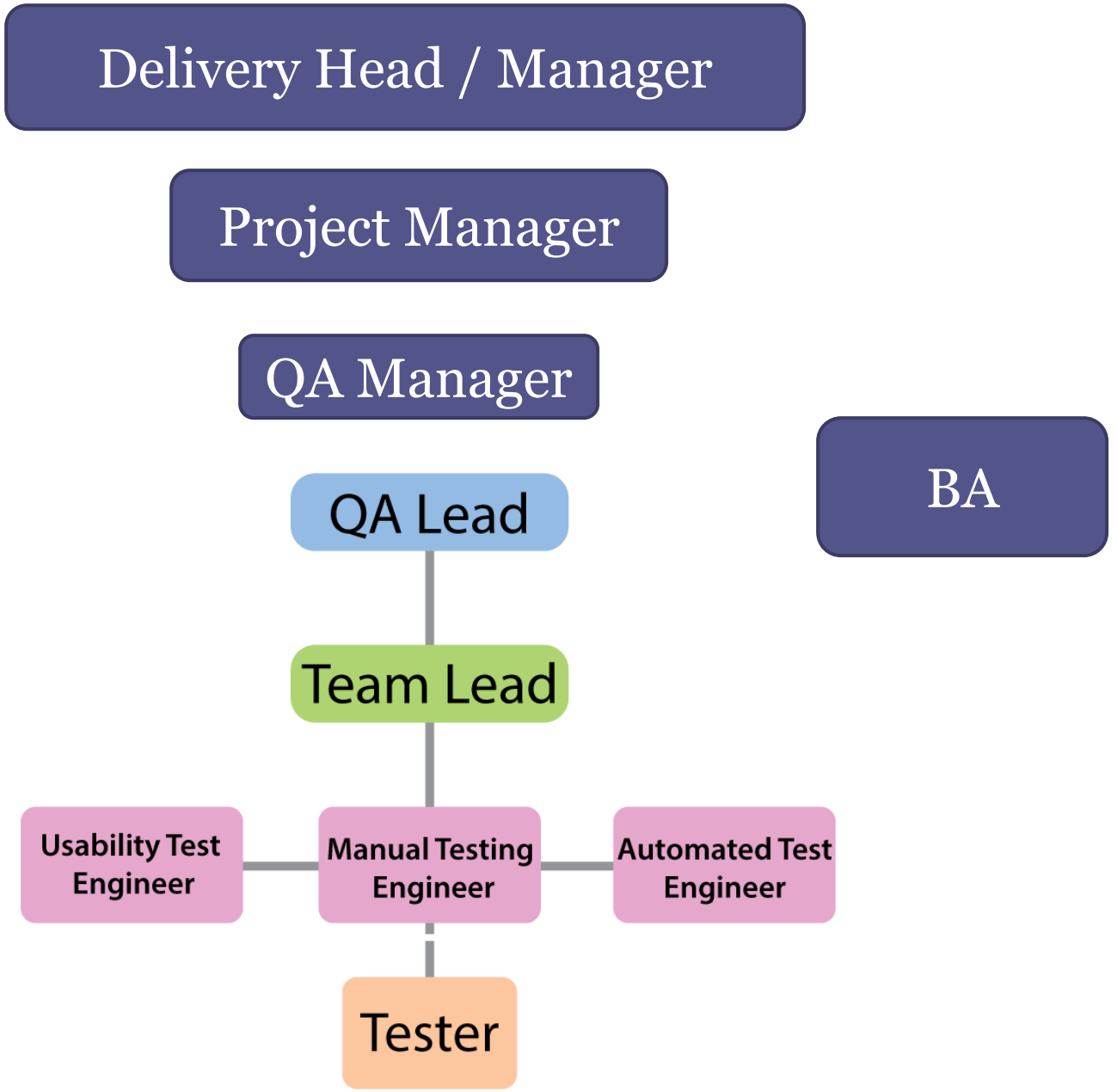
INTEGRATION TESTING
groups together two or more modules of an application to make sure they can function collectively.

STRESS TESTING
assesses the strength of software by testing how much load it can take before reaching a breaking point.

SECURITY TESTING
ensures software is free of potential vulnerabilities, known flaws and security loopholes that might affect the user system and data.

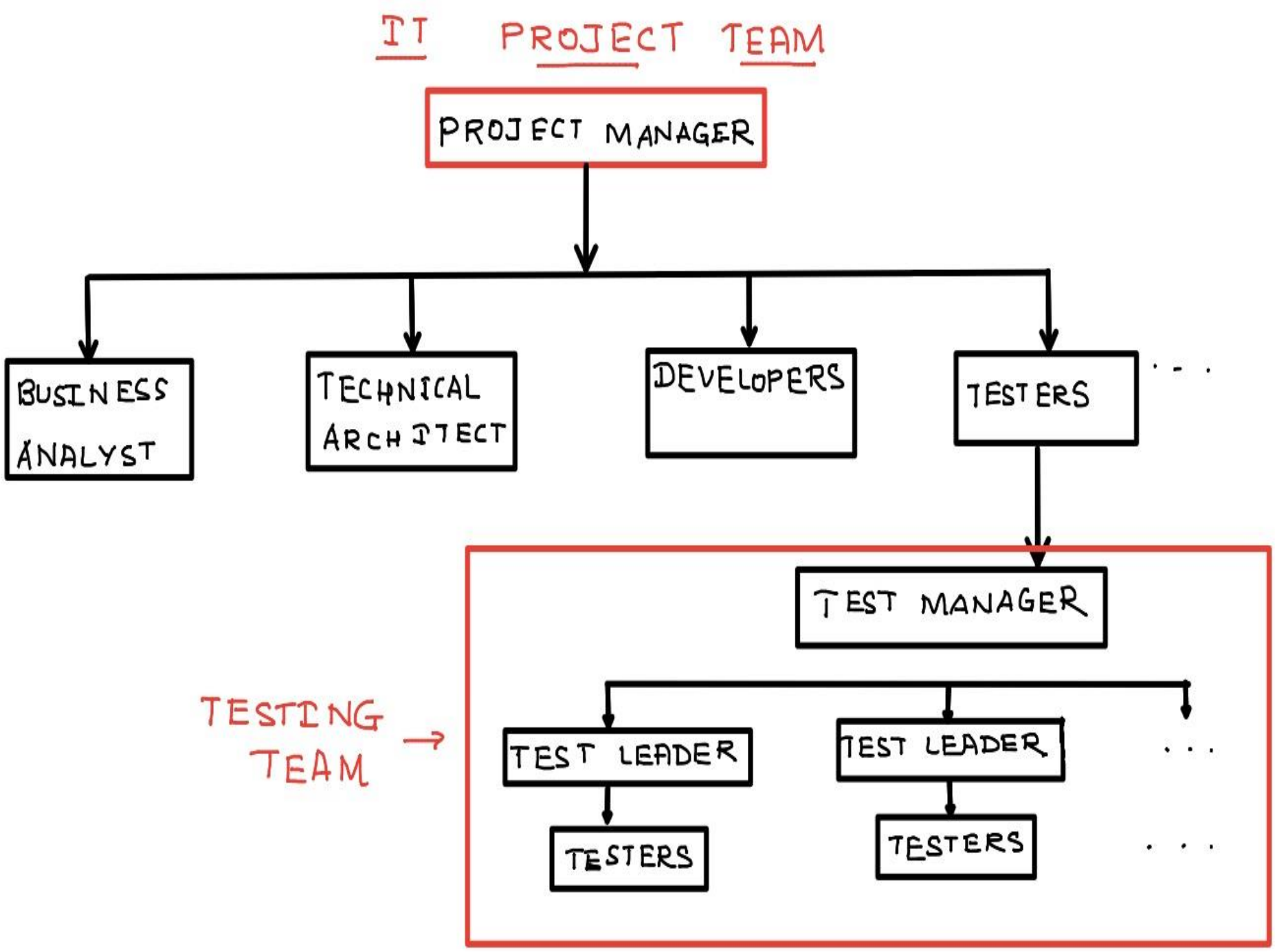
PERFORMANCE TESTING
tests the performance, speed and scalability of an application under a given workload.

ACCEPTANCE TESTING
evaluates the entire system against the desired requirements to confirm project completion.

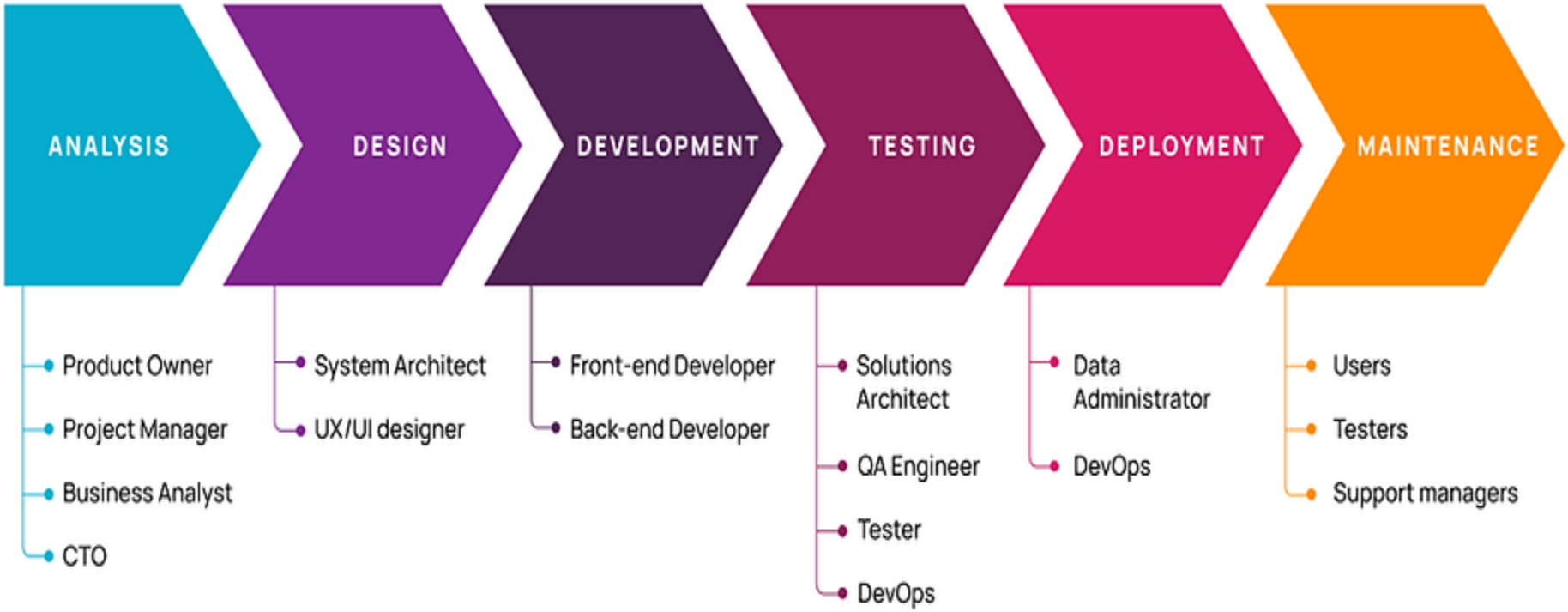

Delivery Head / Manager
Project Manager
QA Manager
BA
QA Lead
Team Lead
Usability Test Engineer
Manual Testing Engineer
Automated Test Engineer
Tester

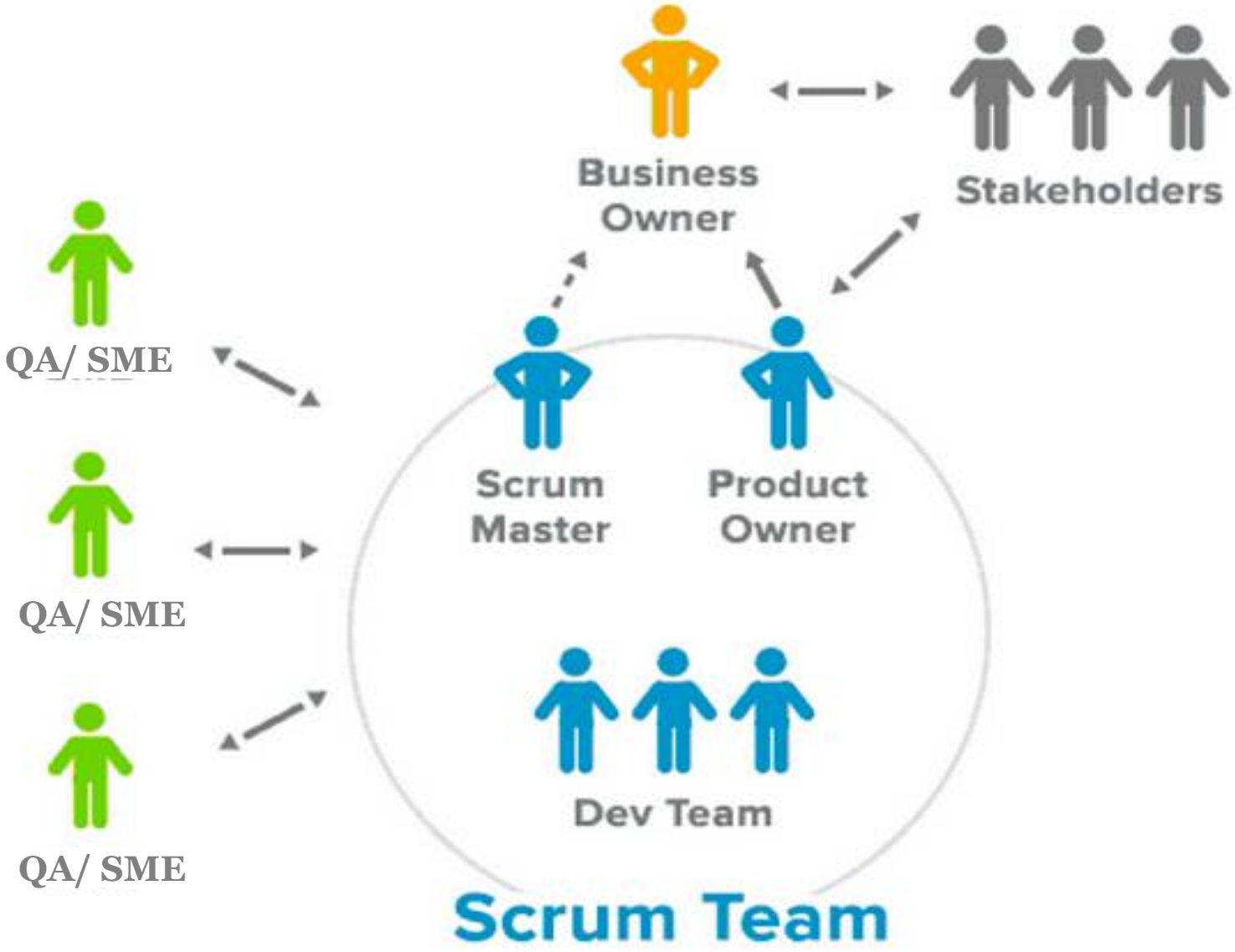
FAQ:

- Salary
- Job Security
- Importance
- QA as Vertical


IT PROJECT TEAM
PROJECT MANAGER
BUSINESS ANALYST
TECHNICAL ARCHITECT
DEVELOPERS
TESTERS
. . .
TEST MANAGER
TESTING TEAM
TEST LEADER
TEST LEADER
. . .
TESTERS
TESTERS
. . .

6 Phases of the Software Development Life Cycle




Business Owner
Stakeholders
QA/ SME
QA/ SME
QA/ SME
Scrum Master
Product Owner
Dev Team
Scrum Team

FAQ Automation:

- Why Selenium
- Why Python

How Selenium Works :