

Hi Gidi, how are you?

Below Rise - QA Automation Strategy:

Motivation: To ensure fast and high quality deliveries, the company needs Automation and Manual tests coverage and establishing QA processes.

As mentioned in the interview:

at the moment no official tests list exists or defined tests cycle before releasing new builds.

There is planning to get more hands on to the team to support closing the gap / tech debt.

According to this status, below strategy:

1. System Analysis

- Mapping Rise product/s to identify critical components and APIs for testing.
- Additional aspect is benchmarks (mentioned in the interview - milliseconds counts).
- Identifying potential weak points, like high loads, and listening to dev's / other team leads needs.

2. Tool Selection

- Java or Python is preferred for you, fast development or fast performance, I would pick Java cause again milliseconds counts.
- Java (language is flexible and we can consider Python etc..)
- restAssured library - our focus on API testing, hopefully you have Swagger for documenting your API calls,
- TestNG is the test runner.
- Maven to build and handle all project dependencies.
- Output reports with ExtentReport / Allure.
- Integration with CI/CD tools like Jenkins or GitHub Actions for automated test execution.

3. Test Planning

- Functional Testing- Verifying proper functionality of core features.
- Performance Testing- Using JMeter to test under load, considering the fast response times required in digital advertising.
- Regression Testing- ensure stability after updates.

4. Success Metrics

- Build test cycle in 2-3 months (Automation and Manual test).
- Documentation, Wiki, troubleshooting manuals and tutorials.
- Achieve at least 80% test coverage of critical components in 6 months.
- No critical bugs missed by manual testing.

Best regards,
Amichai.