QA Roadmap

QA Engineer

Steps to follow in order to become a modern QA Engineer in 2022

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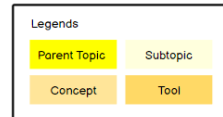
NEW Resources are here, try clicking any nodes.
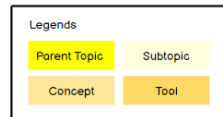
Legends
- Parent Topic
- Subtopic
- Concept
- Tool

QA Engineer

Find the detailed version of this roadmap along with resources and other roadmaps

https://roadmap.sh

- What is Quality Assurance?
- Test Oracles

Legends
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QA Engineer

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- What is Quality Assurance?
- Tester Mindset
- Testing Approaches

Learn the Fundamentals

- Test Oracles
- Test Prioritization
- Manage your Testing

- White Box Testing
- Gray Box Testing
- Black Box Testing

- SAFe
- XP
- Scrum
- Kanban

- Agile Model

- qTest
- TestRail
- TestLink
- Zephyr

Project Management
- Atlassian
- Assembla
- YouTrack
- Trello

- V Model
- Waterfall Model

SDLC Delivery Model

- V Model
- Waterfall Model

SDLC Delivery Model

- Agile Model

Project Management
- Assembla
- YouTrack
- Trello

Manual Testing
- TDD
- Test Planning
- Test Cases and Scenarios
- Reporting
- Compatibility
- Verification and Validation

- Cypress
- Soap UI
- Karateframework

- Espresso
- Detox
- Appium
- XCUITest

Mobile Automation

- Backend Automation

Automated Testing

- Frontend Automation

Testing Techniques
- Non Functional Testing
- Load Testing
- Performance Testing
- Stress Testing
- Security Testing
- Accessibility Testing

- Functional Testing
- UAT
- Exploratory Testing
- Sanity Testing
- Regression Testing
- Smoke Testing
- Unit Testing
- Integration Testing

- HTML, CSS, JavaScript

Postman / Newman

REST Assured

Lighthouse | Webpage Test

Gatling | K6 | Artillery

Vegeta | JMeter | Locust

Load & Performance Testing

Non-Functional Testing

Gmail Tester

Mailinator

Email Testing

Selenium IDE

Ghost Inspector

Bug Management

Check my Links

Wave | Axe

Chrome DevTools

Accessibility Testing

TestRail

Allure

jUnit

Basic Introduction

Browser Addons

Automation Frameworks

QA Wolf | Cypress

Webdriver.io

Jasmine | Nightwatch

Robot | Selenium

Jest | Puppeteer

Playwright

HTML, CSS, JavaScript

Browser / Dev Tools

Ajax | Caching

SWAs, PWAs, JAMStack

CSR vs SSR

Responsive vs Adaptive

Secrets Management

OWASP 10 | Attack Vectors

Vulnerability Scanning

Authentication / Authorization

Security Testing

Grafana | New Relic

Email Testing

jUnit

Reporting

Circle CI | Drone

Jenkins | Travis CI

CI / CD

Gitlab CI | Bamboo

TeamCity

Azure DevOps Services

GitLab | BitBucket | GitHub

Repo Hosting Services

Grafana

Pager Duty

Monitoring and Logs

New Relic

RunScope

Sentry

Kibana

Data Dog

Version Control System

Git

Headless Testing

Zombie.js

Playwright

Puppeteer

Cypress

Headless Chrome

Headless Fox

HTML Unit

Gitlab CI

Bamboo

TeamCity

Azure DevOps Services

Headless Testing

Zombie.js

Playwright

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Cypress

Headless Chrome

Headless Fox

HTML Unit

Keep Learning