< CodeVigyaan />

QA Engineer

- Learn the Fundamentals
  - What is Quality Assurance?
  - QA Mindset
  - Testing Approaches
    - White Box Testing
    - Gray Box Testing
    - Black Box Testing
  - Test Oracles
  - Test Prioritization
  - Project Management
    - Atlassian
    - Assembla
    - YouTrack
    - Trello
  - Manage your Testing
    - qTest
    - TestRail
    - TestLink
    - Zephyr
- SDLC Delivery Model
  - V Model
  - Waterfall
  - Agile Model
    - Kanban
    - Scrum
    - XP
    - SAFe
  - TDD
- Manual Testing
  - Test Cases and Scenarios
  - Compatibility
  - Verification and Validation
  - Test Planning
  - Testing Techniques
    - Functional Testing
      - UAT
      - Exploratory Testing
      - Sanity Testing
      - Regression Testing
      - Smoke Testing
      - Unit Testing
      - Integration Testing
    - Non-Functional Testing
      - Load Testing
      - Performance Testing
      - Stress Testing
      - Security Testing
      - Accessibility Testing
- Automated Testing
  - Backend Automation
    - Karateframework
    - Cypress
    - Playwright
    - Soap UI
    - Postman / Newman
    - REST Assured
  - Mobile Automation
    - Espresso
    - Detox
    - Appium
    - XCUITest
  - Frontend Automation
    - Basic Introduction
      - Browser / Dev Tools
      - HTML, CSS, JavaScript
      - Ajax
      - Caching
      - SWAs, PWAs, JAMStack
      - CSR vs SSR
      - Responsive vs Adaptive
    - Automation Frameworks
      - Webdriver.io
      - Playwright
      - Jasmine
      - QA Wolf
      - Robot
      - Selenium
      - Cypress
      - Jest
      - Nightwatch
      - Puppeteer
    - Browser Addons
      - Selenium IDE
      - Ghost Inspector
      - Bug Magnet
- Non-Functional Testing
  - Accessibility Tests
    - Wave
    - AXE
    - Chrome DevTools
  - Load & Performance Testing
    - Lighthouse
    - Locust
    - Webpage Test
    - Gatling
    - K6
    - Artillery
    - Vegeta
    - JMeter
  - Security Testing
    - Authentication / Authorization
    - Secrets Management
    - Vulnerability Scanning
    - OWASP 10
    - Attack Vectors
  - Email Testing
    - Mailinator
    - Gmail Tester
  - Reporting
    - TestRail
    - Allure
    - jUnit
  - Monitoring & Logs
    - New Relic
    - RunScope
    - Kibana
    - Datadog
    - Pager Duty
    - Grafana
    - Sentry
  - Version Control System
    - Git
  - Repo Hosting Services
    - GitHub
    - Bitbucket
    - GitLab
  - CI / CD
    - Jenkins
    - Drone
    - GitLab CI
    - Bamboo
    - Circle CI
    - Travis CI
    - TeamCity
    - Azure DevOps Services
  - Headless Testing
    - Puppeteer
    - Zombie.js
    - Playwright
    - Cypress
    - Headless Chrome
    - Headless Fox
    - HTML Unit

https://codevigyaan.com/