Step 1: Understand the Foundation of Software Testing

Before diving into automation testing, it's crucial to understand the fundamental concepts of software testing. This includes learning about basic concepts and methodologies and familiarizing yourself with industry-standard testing terminologies and best practices.

Step 2: Learn the Basics of Programming

Automation testing heavily relies on programming languages to write and execute test scripts. While there are various programming languages used in the automation testing world

Step 3: Explore Different Automation Testing Tools

In automation testing, there are numerous tools and frameworks available for different types of applications and testing scenarios. Two of the most widely used tools for web application testing is Selenium & Appium is a popular choice for mobile application testing.

Step 4: Learn About CI/CD Pipelines in Test Automation

Continuous Integration (CI) and Continuous Deployment/Delivery (CD) are essential practices in modern software development. Popular CI/CD tools like Jenkins, GitLab/ GitHub provide seamless integration with various automation testing frameworks and programming languages

Step 5: Check out Software Test Automation Frameworks

Test automation frameworks provide a structured approach to writing, organizing, and executing automated tests. They help ensure the maintainability, reusability, and scalability of test scripts, which is essential as projects grow in complexity.

Step 6: Explore Advanced Testing Concepts

Advanced testing concepts are a crucial part of the test automation roadmap, anyone who wishes to succeed as a professional testing engineer should have a thorough understanding of BDD,API Testing, Performance Testing

Step 7: Learn Test Automation Strategy and Planning

Effective test automation requires careful planning and strategic decision-making. As you gain more experience in automation testing, learn how to develop and implement a comprehensive test automation strategy that aligns with your project's goals and requirements.

Many more….