



The Tester's Path to Automation

Shift Gears • Shift Left

Becoming an automation engineer requires coding knowledge. You don't need to be a full-fledged application developer but having a solid understanding of how the application was developed, combined with testing principles, lays the foundation for a strong skill set as an automation engineer.

Follow These Key Steps to Build Your Automation Skill Set:

1 • Build Your Foundation

- STEP 1**
- Learn to code using the most common programming language used in your organization for testing (e.g., Java, Python, C#).
 - Set up GitHub to manage your code repositories.
 - Gain a deep understanding of Git to use it for version control.
 - Understand build automation tools like Gradle and Maven to lay the foundation for CI/CD principles.

2 • Create and Run Basic Projects

- STEP 2**
- Build a simple, structured project using an Integrated Development Environment (IDE) like IntelliJ, Eclipse, or Visual Studio.
 - Develop both Mobile Native tests (Appium) and Web tests (Selenium) to learn the similarities and differences between the two.

3 • Automate and Integrate

- STEP 3**
- Set up a CI/CD flow using tools like Jenkins and tie it to your previously created automation project.

Go Deeper into Mobile Testing (Advanced-Level)

- STEP 4**
- Set up Android Studio project by Installing Android SDK, create a simple demo application, and successfully run it on both a physical device and an emulator, and record Android tests using Espresso.
 - Set up a project in Xcode, build an iOS demo application, and record an XCTest.

5 • Try a Scalable Testing Platform

- STEP 5**
- Explore mobile test automation with a free trial of Digital.ai Testing.

The Digital.ai Difference

One platform that automates release pipelines and integrates complex toolchains.

Unify app delivery, integrate existing tools & scale across any environment.

Automated mobile app testing and security designed to scale.

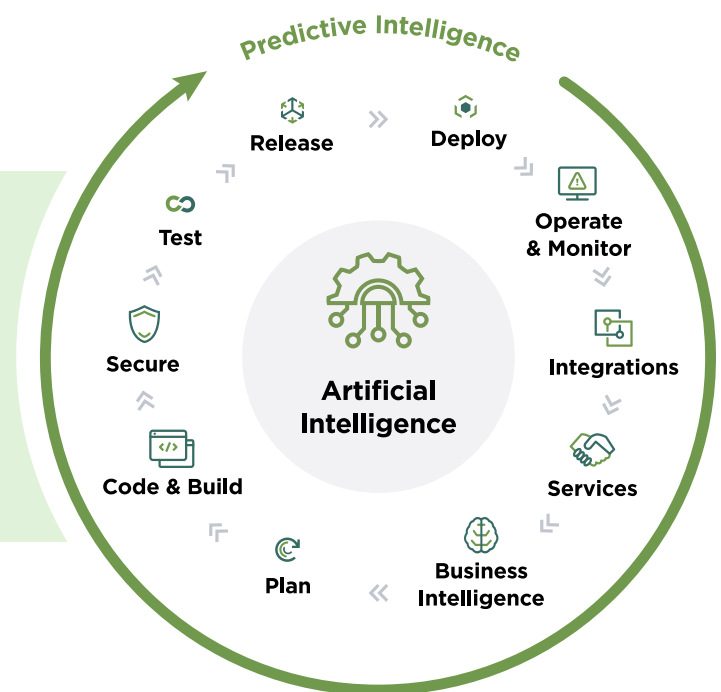
Provide secure, high-quality apps through better automated testing & app protection techniques.

Built-in AI, intelligence, compliance, and governance across all software delivery workflows.

Centralize data, optimize processes, and gain augmented insights for faster, safer software delivery.

Digital.ai AI-powered DevSecOps platform

Helping you harmonize software delivery



About Digital.ai

Digital.ai is the only AI-powered software delivery platform purpose-built for the enterprise, enabling the world's largest organizations to build, test, secure, and deliver high-quality software. By unifying AI-driven insights, automation, and security across the software development lifecycle, Digital.ai empowers enterprises to deliver innovation with confidence. Trusted by global 5,000 enterprises, Digital.ai is redefining how enterprises build better software in an AI-driven world.

Additional information about Digital.ai can be found at digital.ai/ and on [Twitter](#), [LinkedIn](#) and [YouTube](#).

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