

AJINKYA PATHAK

Senior SDET | Selenium & Java Automation Expert | Appium | CI/CD | Gen-AI Enabled

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PROFESSIONAL SUMMARY

Reliable Senior SDET with 4.6+ years of hands-on experience delivering stable, scalable automation frameworks using Selenium WebDriver and Java. Known for building production-grade test infrastructure — including a 1,000+ test regression suite with 75%+ stability — and owning end-to-end quality across web, Android, and iOS channels. Proficient in Appium for mobile testing, RestAssured for API automation, Page Object Model, TestNG, BDD/Cucumber, and CI/CD pipeline design using Jenkins and Azure DevOps. A dependable engineer who reduces release risk through rigorous framework design and mentorship. Additionally applies Generative AI pragmatically within the STLC — built an internal tool that auto-generates test cases from PBIs, cutting design effort by 70% — using AI as a productivity multiplier without compromising core test engineering discipline.

CORE COMPETENCIES

Selenium WebDriver • Java (OOP, Collections) • TestNG • Page Object Model (POM) • RestAssured • Appium (Android/iOS) • BDD/Cucumber • API Test Automation • CI/CD Pipelines • Parallel Execution • Regression Suite Optimization • Test Architecture • Shift-Left Testing • Azure DevOps • Jenkins • Docker • Git • SQL • Python • SAFe Agile • Mentorship • Code Review • GitHub Copilot • Gen-AI in STLC

TECHNICAL SKILLS

- **Languages:** Java (Core, OOP, Collections, Streams), Python, SQL, JDBC
- **Web Automation:** Selenium WebDriver, TestNG, Page Object Model (POM), BDD/Cucumber, RestAssured
- **Mobile Automation:** Appium (Android & iOS)
- **Design Patterns:** Page Object Model (POM), Data-Driven, Keyword-Driven, Factory
- **CI/CD & DevOps:** Azure DevOps, Jenkins, Docker, Git
- **Methodologies:** SAFe Agile, Shift-Left Testing, TDD, BDD, Code Review & Quality Gates
- **AI & Productivity:** GitHub Copilot (custom context injection), LLM-powered test case generation

PROFESSIONAL EXPERIENCE

Consultant – Senior SDET | Capgemini Technology Services, Pune, MH

October 2025 – Present

- **Regression Suite Optimization:** Re-engineered a 1,000+ Selenium WebDriver regression suite with parallel execution (TestNG thread pools), cutting build time by 40% while sustaining 75%+ stability during a large-scale platform migration.
- **Technical Leadership:** Led code reviews and defined quality gate standards for CI/CD release readiness across 2 concurrent projects, ensuring consistent framework discipline and release confidence.
- **GitHub Copilot Integration:** Drove adoption of GitHub Copilot across project teams by injecting custom HTML context files, enabling context-aware script suggestions and reducing scripting effort by 40% — without sacrificing test ownership or review rigour.
- **Gen-AI Test Case Generation:** Applied Gen-AI pragmatically within the STLC — built an internal tool ingesting Azure DevOps PBIs and Bug IDs to auto-generate structured functional test cases, reducing test design effort by 70% while maintaining full SDET ownership of output quality.

Associate Consultant – SDET | Capgemini Technology Services, Pune, MH

October 2023 – September 2025

- **Selenium Framework Ownership:** Authored and maintained 600+ Selenium WebDriver automated tests using Page Object Model (POM) and TestNG; introduced retry listeners and explicit wait strategies to significantly reduce flaky test failures.
- **Mentorship & Knowledge Transfer:** Coached junior SDETs on Java OOP principles, clean code standards, and Git workflow, improving team merge efficiency and overall code quality scores.
- **BDD Implementation:** Led BDD/Cucumber adoption for feature-level test coverage, improving collaboration between QA and product owners on acceptance criteria.

Software Engineer – Automation SME | Capgemini Technology Services, Pune, MH

September 2021 – September 2023

- **Mobile & Web Automation:** Served as Automation Subject Matter Expert for a major QSR (Quick Service Restaurant) client; owned end-to-end quality for Web, Android (Appium), and iOS (Appium) channels.
- **CI/CD Pipeline Design:** Designed and deployed Jenkins-based CI/CD pipelines with database integration (JDBC/SQL), automating API regression via Postman collections to reduce manual effort by 50%.
- **Cross-Platform Coverage:** Implemented Appium-based mobile test suites covering both Android and iOS, enabling parallel device execution and cutting mobile regression time by 35%.

EDUCATION

B.Tech, Information Technology – PVPIT, Budhgaon (DBATU University)

2017 – 2021 | CGPA: 7.6/10

CERTIFICATIONS

- SAFe® DevOps Practitioner – Scaled Agile Inc.
- What is Data Science – IBM (Coursera)
- Introduction to Back-End Development – Meta (Coursera)
- Agile Software Development – University of Minnesota (Coursera)

KEY ACHIEVEMENTS AT A GLANCE

- 600+ Selenium WebDriver automated tests authored and maintained with 75%+ stability
- 40% build time reduction via parallel execution on 1,000+ test regression suite
- 50% cut in manual regression effort through CI/CD and API automation
- 60% faster release cycles through robust framework design and pipeline engineering
- 70% reduction in test design time — applying Gen-AI as a productivity tool within the STLC
- Promoted to Consultant (Grade B2) within 2 years at Capgemini