

Emirhan Demir

QA Automation Engineer / SDET

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PROFESSIONAL SUMMARY

QA Automation Engineer / SDET with 4 years of experience in software test automation for the banking sector. Specializes in web UI (Selenium, Cucumber/BDD) and API automation with Java, performance testing with JMeter and LoadRunner, and end-to-end test lifecycle management including test planning, test strategy, and defect management. Raised automation coverage to 90% across critical banking modules. Now based in Wuppertal, Germany, building modern frameworks (REST Assured, JUnit 5, CI/CD, Docker) alongside a second M.Sc. Seeking an SDET / QA Automation Engineer role with a path toward DevOps.

Work authorization: Currently residing in Germany; available for EU Blue Card sponsorship (§18g AufenthG).

TECHNICAL SKILLS

Languages: Java, JavaScript, C#, Ruby, SQL, Python (basic)

Test Automation: Selenium WebDriver, REST Assured, Cucumber (BDD/Gherkin), JUnit 5, TestNG, AssertJ, Page Object Model, Service Object pattern

API & Performance: REST Assured, Postman, Apache JMeter, HP LoadRunner

CI/CD & Tooling: Jenkins, GitHub Actions, Maven, Docker, Git, Allure reporting, Jira, Confluence

Testing Types: Web UI, API, performance, regression, data-driven, BDD, test planning & strategy, defect management

Methodologies: Agile / Scrum Familiar with: Cypress, Playwright

WORK EXPERIENCE

QA Automation Engineer — Testinium Teknoloji Yazılım A.Ş.

06/2021 – 03/2025 | *Istanbul, Türkiye (remote)*

- Testinium consultant for two major Turkish bank IT subsidiaries (Garanti BBVA Teknoloji and Akbank); responsible for test planning, test strategy, and end-to-end test lifecycle management.
- Garanti BBVA Teknoloji: automated testing across 10+ modules using Selenium and Cucumber (BDD/Gherkin), raising automation to ~90% and achieving 100% functional coverage for automated areas.
- Akbank: increased the automation rate to ~80% with ~80% functional coverage across automated flows.
- Built and maintained Selenium web automation and API test automation (REST Assured, Postman); ran tests in Jenkins CI pipelines; performed performance/resilience testing with JMeter and HP LoadRunner; managed defects and test data via Jira and SQL.

SELECTED PROJECT

API Test Automation Framework (Java · REST Assured · JUnit 5 · CI/CD)

GitHub: github.com/demiremirhan/qa-automation-showcase

- Multi-module Maven framework (JDK 21) using Java, REST Assured and JUnit 5 for API test coverage against a live REST API.
- Applied Service Object pattern, POJO models and data-driven testing for maintainable, reusable test code.
- Integrated CI/CD pipeline with GitHub Actions including automated test execution, Allure reporting on GitHub Pages, and Docker containerization for reproducible runs.

EDUCATION

M.Sc. Industrial Engineering – IT and Digitalization (in progress)

Bergische Universität Wuppertal, Germany | 04/2026 – present

M.Sc. Electrical & Electronics Engineering

Bursa Technical University, Türkiye | 2020 – 2023

B.Sc. Electrical & Electronics Engineering

Uludağ University, Bursa, Türkiye | 2014 – 2020

CERTIFICATIONS & LANGUAGES

ISTQB Certified Tester Foundation Level (CTFL) — Turkish Testing Board, 02/2024

Turkish: Native **German:** C1 (telc certified) **English:** Professional working proficiency