









RIFAT ERDEM SAHIN



SENIOR TEST ENGINEER (SDET) | TEST AUTOMATION & QA STRATEGY SPECIALIST

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 -  **Portfolio:** <https://rifaterdemsahin.com>
 -  **Schedule a Call:** <https://calendly.com/rifaterdem/schedule>
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PROFESSIONAL SUMMARY

Senior Test Engineer specializing in **test automation frameworks, continuous testing, and quality assurance strategy**. Deep expertise in building scalable test infrastructure for web, mobile, and API applications. Proven track record in shifting left, reducing regression cycle times, and establishing quality gates in CI/CD pipelines. Expert in Selenium, Cypress, Playwright, and performance testing methodologies.

CORE COMPETENCIES

-  **Test Automation** - Web UI Automation: Cypress, Playwright, Selenium WebDriver - API Testing: Postman, RestAssured, Supertest - Performance Testing: K6, JMeter, Gatling - Mobile Testing: Appium, Detox (React Native)
 -  **QA Ops & Strategy** - CI/CD Integration: GitHub Actions, Jenkins pipelines - Test Infrastructure: Docker-based Selenium Grid, BrowserStack - BDD Frameworks: Cucumber, Gherkin, SpecFlow - Defect Management: Jira, Xray, Zephyr
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KEY ACCOMPLISHMENTS

2024 | FinTech Scale-up | London

Quality Engineering Transformation - Challenge: Manual regression testing was taking 5 days per release, delaying deployments. - **Solution:** Architected a hybrid test automation framework using Playwright (TS) for UI and RestAssured for API testing. - **Impact:** - Reduced regression cycle time from 5 days to 4 hours. - Achieved 95% automated test coverage for critical business flows. - Enabled daily production releases with zero critical defects. -

Technologies: Playwright, TypeScript, GitHub Actions, Docker

2023 | Healthcare Portal | Remote

Performance & Load Testing - Challenge: Ensure the patient portal could handle 500% expected load during vaccination drive. - **Solution:** Developed a comprehensive performance testing suite using K6 to simulate realistic user behavior. - **Impact:** - Identified and fixed 3 critical database bottlenecks before launch. - Validated system stability under 100k concurrent users. - Reduced API response time p95 latency by 45% through optimization recommendations.

PROFESSIONAL EXPERIENCE HIGHLIGHTS

Senior Senior Test Engineer (SDET) / AI Solutions Architect | January 2025 - Present *IBM*
| *London, UK*

- Architecting hybrid cloud transformation using IBM Cloud and Red Hat OpenShift for Fortune 500 enterprises
- Implementing watsonx AI solutions for intelligent automation, reducing operational overhead by 35%
- Leading DevSecOps transformation with Ansible Automation Platform and Terraform IaC across multi-cloud environments
- Delivering zero-downtime Kubernetes cluster migrations for mission-critical financial and government workloads
- Building enterprise CI/CD pipelines with GitHub Actions and Jenkins serving 500+ developers globally

Senior Senior Test Engineer (SDET) / Technical Lead | 2020 - 2025 *Goldman Sachs, Ypsomed, Cushman & Wakefield*

- Led senior test engineer (sdet) initiatives across finance, healthcare, and real estate sectors
- Designed and implemented solutions supporting millions of daily transactions
- Established best practices and automated frameworks
- Mentored engineering teams on modern technologies and practices
- Delivered solutions achieving 300% improvement in operational efficiency

Senior Test Engineer (SDET) | 2016 - 2020 *Microsoft, Emerson, Various Fortune 500*





- Built enterprise solutions for digital transformation initiatives
- Led cross-functional teams designing scalable applications
- Established frameworks and implementation strategies
- Evangelized modern technologies through technical leadership

EDUCATION

 **Bachelor of Science**

Southern New Hampshire University, USA  | 2013



CERTIFICATIONS & CONTINUOUS LEARNING

-  **Microsoft Certified Solutions Architect Expert**
-  **AWS Certified Solutions Architect Professional**
-  **Azure Solutions Architect Expert**
-  **Certified Kubernetes Administrator (CKA)**

Continuous Learning:




- Active contributor to open-source projects - Regular participant in technical communities - Following latest developments in technology - Experimenting with emerging tools and practices

SECURITY CLEARANCES


-  **UK SC (Security Check)** - Valid until 2028
 -  **NATO Clearance** - Valid until 2029
 - ✓ **Background Checks:** Watchdog (2024), Sterling (2019)
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AVAILABILITY & CONTACT

Immediate Availability for senior test engineer (sdet) roles

-  **Schedule a Discussion:** <https://calendly.com/rifaterdem/schedule>
 -  **Email:** contact@rifaterdemsahin.com
 -  **Phone:** +44 7848 024173
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SUPPORTING DOCUMENTS

-  **Technical Portfolio & Presentations:**
<https://rifaterdemsahin.com/wp-content/uploads/2025/02/rifaterdemsahinprofilepresentation.v2025.2.pdf>
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References and detailed project portfolios available upon request