

Ryszard Tomaszewski

Senior SDET | QA Automation Lead

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Professional Summary:

Senior SDET / QA Automation Lead with 14+ years of experience in test automation, API testing, and quality engineering for enterprise web applications and financial systems. Proven expertise in designing and maintaining automation frameworks using Selenium, C#, and Java, executing UI and API test automation, and integrating automated tests into CI/CD pipelines. Experienced in Agile environments, cloud-based systems (AWS), and microservices architectures. Strong track record of improving software quality through automation, regression testing, and cross-team collaboration, including testing high-traffic financial platforms serving millions of users. Experience leading QA teams and mentoring engineers.

Technical Skills

Test Automation: Selenium WebDriver, SpecFlow, BDD, WebdriverIO, Test Automation Frameworks

Programming: C#, Java, TypeScript, SQL

API Testing: REST API, Postman, Swagger, SoapUI

CI/CD & DevOps: Jenkins, Bamboo, Git, Bitbucket, CI/CD pipelines

Cloud & Platforms: AWS environments, SauceLabs, BrowserStack, Perfecto

Testing: UI testing, API testing, regression testing, end-to-end testing, UAT, Jira, Splunk

Methodologies: Agile, Scrum, DevOps, Test Planning, Test Strategy

QA Strategy & Test Planning, Risk-Based Testing, Test Automation Architecture

Claude Code, GitHub Copilot, Cursor AI, Playwright AI

Experience

Senior QA Automation Engineer – Independent Consultant | Remote January 2025 - Present

- Provide SDET and QA automation consulting for web applications and REST APIs
- Design and maintain Selenium WebDriver frameworks using C# and Java for UI and API testing
- Define automation strategy and improve test coverage for microservices architectures
- Accelerate test script generation and code reviews using Claude Code and GitHub Copilot - cutting boilerplate time by ~25%
- Use Cursor AI IDE for intelligent refactoring and context-aware framework development
- Deploy and iterate client-facing QA dashboards and tooling on Vercel with Next.js
- Apply AI-assisted test case generation and requirements analysis to improve coverage on short-cycle sprints
- Leverage Playwright AI for intelligent element detection and self-healing locator strategies
- Validate cloud-based services deployed in AWS environments
- Use ChatGPT for rapid test strategy drafting, edge case brainstorming, and documentation

Senior Test Automation Engineer | Charles Schwab - Columbia, MD | February 2021- December 2024

- Developed UI and API automation tests for the Deny and Self Remedy initiatives, contributing to operational improvements that saved ~\$4M annually
- Acted as QA lead for key initiatives, coordinating testing efforts and ensuring alignment with business and compliance requirements
- Implemented BDD automation tests for international account-opening flows (HK, IN).
- Enhanced and maintained the existing automation framework (WebdriverIO, SpecFlow, C#) for improved test stability and coverage of single-page applications.
- Developed automation for AMEX integration and bot-detection (Crypto Cookie) initiatives.
- Owned UAT coordination for key compliance and business initiatives, aligning stakeholder sign-off with release gates
- Contributed to quality metrics tracking, reporting, and continuous improvement efforts
- Performed complex data validation and SQL-based testing to ensure data integrity across services

Senior Test Automation Engineer | TD Ameritrade - Columbia, MD | November 2017- February 2021

- Developed and maintained Selenium automation tests in Java for the NCE team, reducing manual regression testing by 30%
- Led QA and compliance testing efforts for regulated financial systems
- Implemented CI/CD automation pipelines using Jenkins with cross-browser testing on BrowserStack
- Executed UI and API automation against cloud-hosted services and supported validation of AWS-based environments
- Part of TDA retail projects: 2FA, market calendar. Testing using Telerik Fiddler, HP ALM, and Postman
- Part of the TDA-Scottrade team acquisition, integrating Scottrade accounts into TDA
- Orchestrated and conducted internal and customer test events, ensuring compliance with industry standards and business requirements
- Conducted UAT with business stakeholders for retail financial products; served as QA point of contact, bridging engineering and business teams
- Partnered with development teams through pair programming and served as the QA point of contact, facilitating clear communication and ensuring comprehensive end-to-end testing
- REST API service testing, functional, cross-browser testing, and regression, UAT

SDET | TD Ameritrade - Columbia, MD | October 2016- November 2017

- Created and executed tests for TDA retail web team in an Agile environment.
- Contributed to test automation framework development and improvements for enterprise financial applications
- Refactoring automation (framework built in-house on Java with Selenium)
- Generated comprehensive test reports and defect reports, working closely with engineering teams to define mitigation plans and ensure seamless integration

Automation test engineer/ Business Analyst | Roche - Poland and USA | September 2013 - October 2016

- Act as a subject matter expert on several technical projects: STAR/Bridge, RANGE, and 2FA-Genentech. QA team leader. Functional, performance testing, SIT, UAT
- Supported Salesforce-based sample management systems used in clinical cancer research, including test creation in HP ALM
- Part of international teams: Genentech, San Francisco, CA; Ventana, Tucson, AZ; Madrid, Spain; Basel, Switzerland; Penzberg, Germany
- Developed functional tests for clinical studies project
- Developed and executed test plans for enterprise applications requiring regulatory compliance, collaborating with cross-functional teams to ensure security and functionality

Education

Cardinal Stefan Wyszyński University, Warsaw, Poland

Master of Science in Computer Science and Econometrics

Bachelor of Science in Computer Science and Econometrics

Key achievements:

- ~\$4M in annual operational savings through automation at Charles Schwab
- 30% reduction in manual regression testing at TD Ameritrade
- Led QA for enterprise systems across fintech, healthcare, and international markets

Certifications & Languages

- Polish – fluent
- Russian - basics
- ISTQB Foundation Level
- ICAgile Certified Professional - Agile Test Automation
- ICAgile Certified Professional - Foundations of DevOps