

MARIUSZ POHORYŁO

SENIOR TEST AUTOMATION ENGINEER

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SUMMARY

Experienced Senior Test Automation Engineer and Quality Assurance professional with 18+ years in software testing, automation, performance and QA leadership. ISTQB Certified Test Automation Engineer specializing in building robust test automation frameworks (C#, Java, JavaScript, Python) with strong knowledge of SDLC, CI/CD, cloud technologies, Docker, MacOS, and Linux.

Proven expertise as SDET in testing telecom, fintech, e-commerce, and big data platforms. Skilled in unit, integration, API, UI, and performance testing. Experienced in backend, API, and frontend/UI performance validation, including memory leak detection and scalability optimization.

Strong team player, fostering collaboration and knowledge sharing. Actively apply AI-powered tools for test optimization, predictive defect analysis, and anomaly detection to accelerate releases and improve software quality.

WORK EXPERIENCE

Company: **EY**

Dates: 03/2023 - Present

SENIOR TEST AUTOMATION ENGINEER

- Designing and developing advanced test automation frameworks
- Spearheaded test automation initiatives across 3 projects
- Created comprehensive performance tests for both backend services and frontend applications, improving system reliability
- Conducted performance bottlenecks identification and root cause analysis, optimizing system capacity and response times
- Implemented AI powered tools to accelerate manual test case creation, bug reporting efficiency, and E2E automation coverage
- Built self-healing test automation systems using AI-driven failure analysis
- Utilized MCP for design and requirements verification, identifying 200+ potential issues in documentation before development
- Developed custom QA tracking application used by manual testers, improving bug reporting accuracy
- Leveraged MCP for Azure logs verification and configuration validation
- Provided technical mentorship to team members on AI integration in development workflows and testing processes

Technology stack: JMeter, Postman, TestCafe, Javascript, Node.js, Git, Azure Application Insights, Azure DevOps, Grafana, Figma, Copilot, Roo, Cline, Claude, GPT, Gemini, AI/LLM Testing Tools, MCP Servers

Company: **HSBC**

Dates: 01/2021 - 03/2023

TEST MANAGER / TEST AUTOMATION ARCHITECT

- Designed and developed enterprise-grade automation frameworks from scratch for banking applications
- Implemented comprehensive test automation strategies across 4 development teams
- Conducted training sessions for manual testers on automation tools and best practices
- Established CI/CD pipelines integrating automated testing with deployment processes
- Mentored team members on Java-based test automation development, establishing coding standards and review processes

Technology stack: Java 11, AWS, Spring, Lombok, AssertJ, REST Assured, Selenium, Docker, Jenkins, Microservices, Postman, Junit, Maven, BDD, Cucumber, Gherkin, Gradle

Company: **Black Swan Technologies**

Dates: 03/2020 - 01/2021

TEST MANAGER / TEST AUTOMATION ARCHITECT

- Architected and implemented multiple automation frameworks from scratch supporting .NET and Java ecosystems
- Developed comprehensive automation test suites in Java and C# for web applications and APIs
- Executed performance testing of REST APIs
- Established BDD practices using SpecFlow and Gherkin syntax across 5 development teams, improving requirement clarity
- Implemented cloud-based testing infrastructure across AWS and GCP platforms
- Created hybrid testing solutions integrating REST API validation with UI automation,
- Led technical decision-making for test automation tool selection and framework architecture
- Spearheaded QA team initiatives (7 members) and coordinated testing efforts
- Provided technical mentorship and guidance to 7 junior and mid-level test automation engineers
- Optimized test execution performance and reliability across different environments

Technology stack: .NET Core, C#, NUnit, SpecFlow, Gherkin, Selenium, REST Assured, Visual Studio, Java 8, AWS, GCP, Spring, Lombok, AssertJ, Junit, Maven, Cucumber, Jenkins CI/CD

Company: **EY**

Dates: 02/2019 - 03/2020

SENIOR TEST AUTOMATION ENGINEER

- Engineered robust test automation frameworks from ground up using .NET Core architecture
- Developed comprehensive C# test suites for enterprise-level financial applications
- Implemented BDD testing approach with SpecFlow and Gherkin for improved stakeholder communication
- Integrated automated testing pipelines with Azure DevOps for continuous integration workflows
- Created data-driven test scenarios with SQL database validation and verification
- Established code quality standards and implemented peer review processes
- Collaborated with development teams to ensure testability and quality gates in software delivery

Technology stack: .NET Core, C#, NUnit, SpecFlow, Gherkin, Selenium, Azure, Microsoft DevOps, Git, Visual Studio, ReSharper, Microsoft SQL Server, Figma

Company: **Credit Suisse**

Dates: 09/2018 - 02/2019

SENIOR TEST AUTOMATION ENGINEER

- Designing and developing automation frameworks from scratch for financial systems
- Writing comprehensive automation tests in C#
- Implementing robust test automation solutions for complex financial workflows and risk management systems
- Developing performance testing strategies
- Creating automated regression testing suites for critical financial operations and compliance validation
- Integrating continuous testing practices with Team City for automated build and deployment pipelines
- Collaborating with development teams to ensure quality gates and testing standards in financial software delivery

Technology stack: .NET Core, C#, NUnit, SpecFlow, Gherkin, Team City, SVN, Visual Studio, ReSharper

Company: **DXC Technology**

Dates: 01/2018 - 09/2018

QA AUTOMATION TECHNICAL LEAD

- Architected and implemented comprehensive automation frameworks from scratch for Big Data testing environments
- Led QA team management initiatives and created strategic testing plans for complex data processing systems
- Executed performance testing of Big Data systems to validate scalability, throughput, and processing efficiency under high data loads
- Conducted comprehensive scalability analysis of Hadoop clusters, identifying performance bottlenecks and determining optimal vertical scaling configurations
- Accelerated development workflows by implementing CI/CD pipelines with custom Groovy scripts for Jenkins automation
- Configured and maintained Jenkins build servers, creating automated deployment pipelines and test execution workflows
- Designed and maintained testing infrastructure supporting Hadoop ecosystem components (HDFS, Phoenix, Hive)
- Orchestrated DevOps practices including automated deployments, environment provisioning, and system migrations
- Developed Java-based test automation suites for data validation
- Implemented automated testing strategies for distributed systems and big data workflows
- Established version control workflows and code review processes
- Coordinated cross-functional collaboration using Agile/Scrum methodologies and Atlassian tools

Technology stack: Big Data, Hadoop, HDFS, Phoenix, Hive, Java 8, JUnit 4, Maven, Cucumber, Linux, Bash, Jenkins, Git, Jira, Confluence, Scrum, Jenkins CI/CD

Company: **Nokia**

Dates: 01/2017 - 12/2017

SENIOR JAVA DEVELOPER

- Implemented new functionalities and features for enterprise telecommunications applications using Java 7 and JEE
- Designed and prepared DDL scripts for database schema management and data migration
- Developed comprehensive JUnit test suites and automated testing scripts using Mockito for mocking
- Created e2e automation tests using Robot Framework with Jython for enhanced scripting capabilities
- Integrated BDD testing approach using Cucumber and Gherkin for business-readable test scenarios
- Developed RESTful services and APIs documented with Swagger for service integration
- Managed application deployment and configuration on WebSphere application server
- Collaborated in Agile/Scrum environment with continuous integration using Jenkins and Maven

***Technology stack:** Java 7, JEE, Hibernate, Robot Framework, Jython, Python, JUnit, Mockito, SVN, Spring Boot, Postman, Swagger, Jenkins, WebSphere, Maven, SQL, Linux, Cucumber, Gherkin, Scrum*

Company: **Ryanair**

Dates: 04/2016 - 12/2016

TEST AUTOMATION ENGINEER

- Designed and developed comprehensive automation frameworks for airline booking and reservation systems
- Created automated test scripts using JavaScript and Protractor for Angular-based web applications
- Implemented Jenkins CI/CD pipelines for automated test execution and continuous integration workflows
- Configured Jenkins build jobs and deployment pipelines to support rapid release cycles
- Developed BDD test scenarios using Cucumber and Gherkin for business-readable test specifications
- Utilized Node.js, Jasmine, and Chai for test framework development and assertion libraries
- Managed test execution reporting through TestRail and prepared comprehensive test reports
- Collaborated with development teams using Git version control and managed project lifecycle through Jira

***Technology stack:** Test Automation, Javascript, Protractor, Node.js, Jasmine, Chai, Typescript, Selenium WebDriver, Jenkins, Git, Stash, Gherkin, TestRail, Jira, Confluence*

Company: Eclipse Group Solutions Ltd.

Dates: 09/2015 - 03/2016

TEST AUTOMATION ANALYST

- Designed and developed comprehensive automation frameworks from scratch using Selenium WebDriver and Java
- Created automated test suites for e-commerce platform testing using Hybris framework
- Implemented continuous integration pipelines using Jenkins for automated test execution and deployment
- Configured Jenkins build jobs and established CI/CD workflows to accelerate development cycles
- Developed BDD test scenarios using JBehave and Gherkin for improved stakeholder communication
- Executed comprehensive testing including system tests, integration tests, and acceptance tests
- Prepared detailed test reports and managed defect lifecycle through resolution and retesting
- Utilized Selenium Grid for distributed test execution across multiple nodes

Technology stack: Selenium WebDriver, Selenium Grid, Java 7, Hybris, Scrum, Jenkins, Jira, Confluence, JBehave, Gherkin, API Testing, JUnit, Maven

Company: Atos IT Solutions and Services

Dates: 07/2011 - 08/2015

TEST ANALYST

- Creating comprehensive test plans and preparing manual test cases for Orange Polska and Transport for Greater Manchester projects
- Executing manual tests and developing automation test scripts using Selenium WebDriver
- Preparing and executing performance tests using JMeter and LoadUI to validate system performance under load
- Conducted scalability analysis and vertical scaling assessments to determine system capacity limits and performance thresholds
- Conducting system tests, integration tests, and acceptance tests across multiple project phases
- Preparing detailed test reports and managing defect lifecycle through resolution
- Performing retests and regression testing to ensure quality standards and system stability
- Utilizing Web Methods integration platform for enterprise application testing

Technology stack: Java 6, Java 7, JEE, Web Methods, HTML, XML, CSS, HP Quality Center, Bugzilla, Jira, JMeter, Selenium, Junir, Maven, SoapUI, LoadUI, SVN, Spring, SQL, Waterfall

Company: Atos Origin IT Services

Dates: 12/2008 - 06/2011

SOFTWARE TESTER

- Preparing and executing comprehensive manual test cases for telecommunications projects
- Conducting system tests, integration tests, and acceptance tests for Telekomunikacja Polska and Orange Polska
- Executing performance tests using LoadUI to validate system scalability and response times
- Performed scalability analysis to identify performance bottlenecks and system capacity limitations in telecommunications infrastructure
- Preparing detailed test reports and documenting test execution results
- Reporting defects and managing defect lifecycle through resolution
- Performing retests and regression testing to ensure quality standards
- Working with web technologies including HTML, XML, and CSS for test validation
- Utilizing SoapUI for API testing and web service validation

Technology stack: Mercury Quality Center, Bugzilla, HTML, XML, CSS, SoapUI, LoadUI, Waterfall

EDUCATION

Wrocławska Wyższa Szkoła Informatyki Stosowanej

Dates: 2014 - 2015

POSTGRADUATE IN SOFTWARE ENGINEERING - JAVA DEVELOPER

Postgraduate studies focused on JEE, Spring Framework, Hibernate, and advanced Java development techniques.

Wrocławska Wyższa Szkoła Informatyki Stosowanej

Dates: 2008 - 2012

BACHELOR OF SCIENCE IN COMPUTER GRAPHICS

Comprehensive study of computer graphics, programming, and digital design.

SKILLS

TECHNICAL SKILLS

- **Test Automation Frameworks & Tools:** Selenium WebDriver, TestCafe, Playwright, REST Assured, Robot Framework, JUnit, NUnit, SpecFlow, Cucumber, JMeter, LoadUI, Protractor, Node.js, Jasmine, Chai, JBehave, TestRail, Jira, HP Quality Center, Bugzilla, SoapUI
- **Testing Types:** Manual Testing, Automated Testing, API Testing, UI Testing, Unit Testing, Integration Testing, Performance Testing, Load Testing, Stress Testing, Security Testing, End-to-End Testing
- **Performance Engineering:** Scalability Analysis, Performance Bottlenecks Identification, Anomaly Detection, Vertical Scaling Assessment, Performance Monitoring, Root Cause Analysis, System Capacity Planning
- **Programming Languages:** Java, C#, Python, JavaScript, TypeScript
- **Quality Assurance:** Test Strategy, Test Planning, Test Design, Defect Management, Test Coverage Analysis, Risk-Based Testing, Exploratory Testing
- **Cloud Platforms:** AWS, Azure, GCP
- **CI/CD Tools:** Jenkins, Git, GitHub, Azure DevOps, Team City, Maven, SVN, Stash, Continuous Testing, Build Automation
- **Databases:** SQL, Oracle, PostgreSQL, Database Testing, Data Validation
- **Containerization:** Docker, Kubernetes
- **Web Technologies:** HTML, XML, CSS, Spring, Spring Boot, Hibernate, JEE, EJB, Angular, Swagger, Postman, WebSphere, Web Methods, REST API, SOAP
- **Big Data:** Hadoop, HDFS, Phoenix, Hive, Big Data Testing
- **LLM:** Autogen, LangChain, MCP servers, Copilot, Cline, Roo, Claude, GPT, Gemini, AI-Powered Testing
- **Monitoring & Analytics:** Azure Application Insights, Grafana
- **IDEs:** Visual Studio, VS Code (and forks like Cursor), WebStorm, IntelliJ, Eclipse
- **Operating Systems:** Linux, MacOS, Windows
- **Methodologies:** Agile, Scrum, BDD, TDD, Waterfall, SDLC, STLC, DevOps
- **Certifications:** ISTQB Foundation Level, ISTQB Advanced Technical Test Analyst, AWS Certified, Azure Certified, Oracle Certified

PROFESSIONAL SKILLS

- QA Team Leadership and Management (Led teams of 5-8 engineers)
- Test Strategy and Planning
- Quality Assurance Process Improvement
- Agile and Scrum Methodologies
- Test Automation Framework Architecture Design
- Performance and Load Testing
- Problem Solving and Root Cause Analysis
- Training and Knowledge Sharing
- Project Management and Cross-functional Collaboration
- Stakeholder Communication and Reporting
- Risk Assessment and Mitigation
- Quality Metrics and KPI Management
- Remote Work and Flexible Availability (Cross-timezone collaboration)
- Crisis Management and On-Call Support (Availability for critical production issues)

CERTIFICATIONS

AI_devs 3 Agents Reloaded

Issuer: AI_devs | Date: June 2025

Microsoft Certified: Azure AI Fundamentals

Issuer: Microsoft | Date: April 2021

Microsoft Certified: Azure Developer Associate

Issuer: Microsoft | Date: March 2021

AWS Certified Cloud Practitioner

Issuer: Amazon Web Services | Date: July 2020

Oracle Certified Associate, Java SE 8 Programmer

Issuer: Oracle | Date: November 2019

Microsoft Certified: Azure Fundamentals

Issuer: Microsoft | Date: October 2019

LPI Linux Essentials Certificate

Issuer: Linux Professional Institute | Date: April 2019

ISTQB Technical Test Analyst - Advanced level

Issuer: International Software Testing Qualifications Board | Date: April 2014

ISTQB Certified Tester - Foundation Level

Issuer: International Software Testing Qualifications Board | Date: July 2011

FACE TO FACE COURSES AND TRAININGS

Aldeas

Organizer: Aldeas.generatorpomyslow.pl | Date: July 2025 | Description: AI-powered idea generation and creative problem solving using existing AI tools that accelerate creativity and productivity

Japanese Candlesticks in Practice on Warsaw Stock Exchange

Organizer: squaber.com | Date: January 2025 | Description: Japanese candlestick patterns in technical analysis for stock market chart interpretation and trading strategies

AI DEVS 3 Reloaded - Program Autonomous Agents and Generative AI Tools

Organizer: aidevs.pl | Date: June 2025 | Description: Advanced autonomous agents development and generative AI implementation

10xdevs (speed up app development with LLM help)

Organizer: 10xdevs.pl | Date: May 2025 | Description: Accelerating application development using Large Language Models

Azure for Architects F2F course

Organizer: bottega.com.pl | Date: 2020 | Description: Advanced Azure architecture patterns and best practices

Attacking and Protecting Web Applications

Organizer: niebezpiecznik.pl | Date: 2025 | Description: Web application security testing and penetration testing techniques

Python Workshop

Organizer: sii.pl | Date: May 2021 - June 2021 | Description: Python Fundamentals

Java Advanced

Organizer: craftincode.com | Date: April 2018 - June 2018 | Description: JEE, Servlets, HTML, CSS, EJB, Spring Framework, Spring Web, Spring Security, Spring Data, JPA, Hibernate, Spring MVC, Mockito

Angular 2 + Workshop

Organizer: angular-academy.com | Date: June 2017 | Description: EcmaScript 6, TypeScript, Angular modules, Components and templates, Observables and RxJS, Change detection, Dependency Injection, Http Routing, Forms

Android programming for beginners

Organizer: sii.pl | Date: February 2017 | Description: Views in android, UI Layouts, Activity and intent, UI elements, Data storage, Multiple apps screens, Networking, User inputs

Performance tests of web applications by using Apache JMeter

Organizer: sages.com | **Date:** June 2015 | **Description:** Recording user operations, Configuration of test plans, Parameterization of tests, Assertions, Controllers, Workload management, Reporting and analysis, Distributed testing, Integration with Jenkins, Monitoring of tested systems

Introduction to webMethods technology

Organizer: Atos IT Services | **Date:** March 2014 | **Description:** JArchitecture, Infrastructure, Standards, Flow Services, Pipelines, Messaging patterns, Queues, Channels, Designer, Monitor, Document Types, Services, Specifications, Web Services, Triggers, Adapter Services, Adapter notification

Java SE Programming for beginners

Organizer: horyzont.eu | **Date:** November 2013 | **Description:** Object-Oriented Programming Paradigms, Vars, Types, Classes, Methods, Interfaces, Enums, Objects, Inheritance, Abstract classes, Loops, Conditionals and Control Flow, Collections, Generics, Casting, Exceptions

Oracle SQL for data analyst

Organizer: osec.pl | **Date:** April 2012 | **Description:** Introduction to the Oracle database, Select instruction, Analysis of aggregated data, Subqueries, selecting data from multiple tables, Tables and integrity bonds, DML, Concurrent user work, Short overview of schema objects

LANGUAGES

ENGLISH

C1, Advanced business communication, technical documentation, and international project collaboration.

POLISH

Native speaker with excellent written and verbal communication skills.

INTERESTS AND HOBBIES

AI ENTHUSIAST

Actively exploring AI technologies, LLM applications, and autonomous agent architectures to optimize development workflows and enhance software engineering productivity.

FINANCIAL MARKETS

I possess strong knowledge of stock markets, blockchain technologies, and finance, which I continuously develop both professionally and as a personal passion. My interest in financial markets supports my work on fintech projects and helps me better understand business requirements and industry trends.

MUSIC ENTHUSIAST

Currently learning to play drums, bass guitar and synthesizer as a hobby. This musical journey develops creativity, patience, and coordination while helping me relax and unwind from the demands of technical work.