

Mikhail Roshchin

🌐 mroshchin.com
📍 Madrid, Spain

🌐 linkedin.com/in/mikhail-roshchin/
✉ roshchin.mikhail.n@gmail.com

Summary

I'm a Senior SDET with 6+ years of experience specializing in Python test automation and AWS-based tooling. I help product teams ship with confidence by building scalable, maintainable test systems and strengthening CI/CD quality gates across Python ML and C++ application stacks. Beyond QA, I contribute to customer interviews and requirements discovery, pair-program with developers, and participate in system design to build stronger product context and make better engineering decisions. Recently, I've been expanding my skills in containerized web application development.

Experience

Sr. SDET

Align Technology

Madrid, Spain

Oct 2022 - Present

Project: Various Vision Systems for Manufacturing Quality Control

- Python and JavaScript development of mocking tools and microservices
- Pytest and Robot Framework test automation
- Postman and Wiremock testing of REST and gRPC APIs
- Release management and support at various sites - Mexico, Poland, China remotely and on-site business trips
- Design and implementation of CI/CD pipelines
- Transition of Team's repositories from Bitbucket to GitHub

SQA engineer (Python)

Align Technology

Moscow, Russia

Aug 2020 - Oct 2022

Project:

Vision System for Manufacturing Quality Control Windows app (Qt C++) + CV (Python ML) + Hardware infrastructure (PLC)

- Test Case Generation & Execution (TM4J, robot framework, internal test tools)
- Manual usability, functional, regression, system, exploratory testing
- Automated regression and performance testing
- Bug Reporting & Tracking (Jira)
- CI/CD support (Bamboo specs, Terraform, PS scripts editing/configuring)

Technological stack: Python, Pandas, SQL, Bamboo, AWS, Jira, Splunk

Quality Assurance Engineer

BPC Banking Technologies

Moscow, Russia

Aug 2019 - Aug 2020

Project:

SmartVista Solutions for banking Unix service for financial transactions messages processing powered by C

- Requirement analysis, Test Case Generation and Execution
- Manual functional, regression, system, exploratory testing
- Test automation using internal company tools
- Bug Reporting & Tracking

Technological stack: Unix, SQL, Bash, Jira, Jenkins

Education

BSc, Software Engineering

2016–2020

National Research Nuclear University MEPhI (Moscow Engineering Physics Institute) Moscow, Russia

Skills

Programming Languages: Python (active development), JS

QA and Test Automation: Test Automation, E2E Testing, Integration Testing, Regression Testing, Performance Testing, Test Case Generation, Requirements Analysis

Frameworks: Pytest, Robot Framework, Wiremock, Playwright

API and Protocols: REST, gRPC, API Contract Testing, JSON schemas, Data-Flow Validation, Pytest

Infrastructure: AWS, EC2, Lambda, S3, Docker

CI/CD: Bitbucket, Bamboo, Git, GitHub

Tooling: Jira, TM4J/Zephyr, Splunk, PowerShell, Linux, Terraform, Nginx

Languages

Russian - Native

English - Full professional proficiency

Spanish - Intermediate, Diploma de Español DELE Nivel B2 (2025)