Andrey Roshchupkin

QA Automation Engineer / SDET

📍 Yerevan, Armenia | Hybrid | European/Armenian Time | Remote

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Summary

QA Engineer specializing in building and scaling advanced test automation solutions across multiple platforms — including desktop (Electron), web (desktop & mobile), and native mobile applications. I design and implement reliable frameworks from scratch using Playwright, WebdriverIO, and Cypress for E2E, API, and integration testing.

My role extends beyond testing — I drive test architecture decisions, optimize CI/CD pipelines, and mentor teams to achieve higher quality standards. I actively leverage AI tools to boost efficiency and explore innovative testing approaches. My goal is to ensure stable, high-quality product delivery that directly supports business success.

Work Experience

Software Engineer in Test

VL · Full-time · Sep 2024 – Present · Yerevan, Armenia

- Built a high-performance E2E test automation framework using Playwright
- Applied advanced design patterns: Page Object, Factory, Component Object, and Element Object
- Achieved 100% system resource utilization during test execution

- Created a specialized test user generator class for up to 9 isolated user sessions per test

- Developed a utility to automatically generate tests from QASE test cases

- Introduced and enforced Quality Gates in CI/CD pipelines

- Significantly reduced production bugs by increasing test coverage and automating critical flows

- Reduced execution time of critical test paths from 2.5 hours to ~30 minutes

- Virtually eliminated flaky tests

- Utilized tools and practices including REST API testing, DevOps automation, and AI-assisted workflows

- Automation suite now fully replaces the manual regression efforts of three QA engineers

- Maintained an execution cost equivalent to only ~$13 per month

- Conducted reviews and provided guidance for mobile test automation development

QA Automation Engineer / SDET

NDA Client – European Retailer · Contract · Nov 2023 – Jul 2024 · Remote

- Built a UI test framework using WebdriverIO + Cucumber (BDD) for a high-traffic retail application

- Automated REST API tests with Playwright and JSON Schema validation

- Designed custom test contexts and reusable components to enhance test flexibility

- Set up remote execution pipelines via GitLab CI/CD, ensuring test scalability

- Integrated ReportPortal for centralized reporting and analysis

- Mentored 2 junior QA engineers in automation best practices

QA Manual/Automation Engineer

DocInfo · Full-time · Jun 2023 – Nov 2023 · Remote

- Ensured product quality from requirements gathering to production for a doctor appointment platform

- Introduced test automation to reduce regression execution time from 1 day to 20 minutes
- Worked closely with developers to identify high-risk areas and automate critical flows

QA Manual Engineer

IT-Victory · Full-time · May 2022 – Jun 2023 · Remote

- Performed manual testing for web applications (frontend and backend)
- Implemented basic Cypress tests to reduce regression cycles
- Delivered 4 applications for international clients with minimal post-release bugs

Freelance QA Engineer

Self-employed · Apr 2021 – May 2022 · Part-time

- Developed and tested lightweight web applications for small businesses
- Managed full QA lifecycle in solo and client-based projects

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Education

Russian Federation Air Force Academy
Specialist Degree in Cyber/Electronic Operations and Warfare

Skills

Languages & Frameworks: TypeScript, JavaScript, Go, Playwright, WebdriverIO, Cypress, Cucumber

Testing Types: UI, API, Integration, E2E, Regression, BDD, Performance

CI/CD & DevOps: GitLab CI/CD, GitHub Actions, Docker, Git

Tools: QASE, ReportPortal, Postman, Allure, JSON Schema

Architecture Patterns: Page Object, Factory, Component Object, Element Object

Soft Skills: Documentation, mentoring, async collaboration, agile teamwork