Mykyta Knysh

Lead Test Automation Engineer, AI-first, Certified Software Test Manager (ISTQB)

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Portfolio: https://nknysh.github.io/cv/portfolio/ | Demo: https://github.com/nknysh/cmc-tests

SUMMARY

QA professional with 26 years of IT experience, including 14 years in test automation, quality assurance, and team leadership. Built and executed test automation strategies and established QA technical foundations from scratch across enterprise fintech, SaaS, and complex microservice systems. Introduced QA functions, built and led QA teams, and mentored engineers, while integrating modern AI tools into testing workflows. ISTQB Certified Test Manager with expertise in test strategy, CI/CD infrastructure, and quality leadership. Also lead the ISTQB course accreditation review process as Board Member and Lead Expert with USQB, forming and leading the team of reviewers. 5+ years as SCRUM master; experience with waterfall, OpenUP, SCRUM, and Kanban.

Core technical competencies: test automation frameworks (Playwright, Cypress, Nightwatch.js, Selenium), UI and API testing (REST, GraphQL, gRPC), mobile testing (iOS/Android), CI/CD setup (GitHub Actions, GitLab CI), cloud platforms (AWS), and databases (SQL, DynamoDB, MongoDB). Actively integrating AI tools (Copilot, Playwright MCP, Claude Code, self-healing test agent in CI) into daily development and testing workflows.

Key achievements: Reduced escaped defects per release by 70-85% through root cause analysis of defects. Moved release checks from ad hoc to CI/CD (around 2,000 tests within 1 hour). Moved test automation to an up-to-date framework (Cypress), growing it from 50 to 2,200 tests. Defined a complete test automation strategy, executing the roadmap based on product risk, business priority, technical feasibility, and ROI. Established test automation and CI from scratch, growing it into 3600+ API and UI tests. Introduced the QA function to a new customer organization. Built a QA team from the ground up (up to 10 people).

TOP SKILLS

- Test Automation (Playwright, TypeScript)
- AI-driven Testing and Test Automation (Copilot, Claude Code)
- Test Strategy, Management and Team Leadership

EXPERIENCE

Svitla Systems, Inc. — Senior Test Automation Engineer
April 2025 - Present (1 year 6 months)

- Maintaining and extending test automation suite (Playwright, GraphQL, UI and API tests, GitHub Actions)
- Managing 4,000 automated test cases and their results in Qase
- Working in the AWS infrastructure (DynamoDB, Cloudwatch, lambdas, S3, etc.)
- Using AI tools (Copilot) to streamline daily tasks and improve efficiency
- Clarifying requirements, testing new features and improvements, accepting them for release
- Collaborating with multi-location teams using Kanban and Scrum
- Tech stack: Playwright, TypeScript, GraphQL, AWS, GitHub Copilot, GitHub Actions, Postman, Qase, ESLint, Snyk

N-iX — Lead Test Automation Engineer
July 2020 - March 2025 (4 years 9 months)

- Created and executed a comprehensive test automation roadmap based on product risks, business priorities, technical feasibility, and ROI
- Built test automation from scratch for microservice-based web app, starting with critical UI scenarios, plus basic and security-related API tests: UI, API testing/mocking (REST, gRPC, WebSocket/SocketIO), and visual testing (automated tests for a reusable UI element library, including 900+ snapshot-based visual tests) with GitHub Actions and Docker
- Automated tests for mobile apps (iOS, Android) using detox, Appium, and react-native
- Grew the test automation team to 6 people through interviewing; mentored the engineers on framework design and best practices
- Tech stack: TypeScript, Playwright, React, WebDriverIO, detox, Appium/wdio, react-native, REST API, gRPC, jest, mocha, mockserver, GitHub Copilot, GitLab CI, GitHub Actions, Docker, browserstack, Postman, Jira, ESLint, Sonarqube

Ciklum — QA Lead / Test Team Lead
July 2010 - June 2020 (10 years)
QA Lead (February 2012 - June 2020, Kyiv - Copenhagen); Test Team Lead (July 2010 - May 2012)

- Introduced QA function to customer's organization; hired, onboarded, mentored, and led a team of manual and automated testers (up to 10 people); defined defect triage, regression scope, and test metrics; moved release verification from ad hoc checks to CI/CD (around 2,000 tests, ran within 1 hour)
- Led group of 10 testers across four SCRUM teams; drove innovation in test techniques (ACC modeling, pairwise testing, exploratory testing) and reduced escaped defects per release by 70-85%
- Hands-on testing: Web GUI (SaaS, iOS), technical testing (API, database, log analysis), performance testing (JMeter), automated testing (Nightwatch.js, Cypress, Selenium/C#); moved automation to Cypress, growing it from 50 to 2,200 tests
- Mentored and coached team members on test process improvement, root cause analysis (RCA), and quality metrics
- Tech stack (QA Lead): Nightwatch.js, JavaScript, Cypress, Selenium/C#, JMeter, Postman, Jira, Zephyr, TeamCity

Earlier Roles
June 2007 - July 2010: Sr. Test Engineer, Infopulse (IRDMS, test planning, test automation in OpenUP/Agile). October 2004 - June 2007: Head of Documentation and Analytics, Frontex (team leadership, documentation standards, analytics). August 2002 - September 2004: Project Manager / Head of Customer Support / Web Developer, TopProgs (24/7 support team of 5, web-based ticketing system). July 2002 - August 2002: Web Developer, AlarIT. April 2001 - July 2002: Web Master, Business Computer Service. September 2000 - March 2001: Web Master, EOS.

EDUCATION

Zaporizhzhya National Technical University — Master of Computer Applications, Software Engineering (1998–2003)

LANGUAGES

Ukrainian (Native), English (Full Professional)

CERTIFICATIONS

ISTQB Certified Software Tester (Advanced Level – Test Manager), ISTQB Certified Software Tester (Foundation Level), ICAgile Certified Professional, Claude Academy (Introduction to Model Context Protocol; Claude Code in action)