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

I am a QA professional with 26 years of IT experience, including 14 years in test automation, quality assurance, and team leadership. I have worked on enterprise systems across fintech, SaaS, and complex business applications. My technical background spans test automation frameworks, CI/CD infrastructure, cloud platforms, and full-stack development.

I have managed test initiatives at scale, built and led QA teams, and implemented quality processes. I hold ISTQB Certified Test Manager credentials and have broad experience working in international teams in various SDLC models. I integrate modern AI tools into testing and development workflows and stay current with industry practices.

Automated testing (Playwright, Cypress, Nightwatch.js, Selenium/C#, JMeter, unit testing with JavaScript/Mocha, TDD/Jasmine, Groovy). CI setup (GitLab CI, GitHub Actions, TeamCity, Microsoft release train). Linux CLI. Git. Postman, Fiddler. DBs: SQL DBs, AWS DynamoDB, MongoDB. MS TFS, TestManager. PowerShell. Experience working in the AWS infrastructure.

Using AI in everyday work. Copilot. Playwright MCP. Claude Code. Setup of a self-healing test agent in CI. Tailoring testing and coding-related AI skills.

Experience in testing: Web apps, APIs (REST, GraphQL, gRPC), Mobile (iOS, Android), MS Office add-ins, installation packages (Windows), technical testing with no GUI (services). ISTQB Certified Test Manager.

Worked under waterfall, OpenUP, SCRUM, kanban. 5+ years as SCRUM master, SCRUM certifications.

Some of my 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
- Built a test automation strategy 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), and mentored the engineers
- Own the ISTQB course accreditation review process (USQB, since 2015), forming and leading the reviewers

IT discipline experience: Testing, Test Automation (web, API, mobile, functional, visual, performance, audit), Test Management, public speaking, and conducting trainings. Business, Functional and Competitor Analytics, Technical Writing, Project Management, People Management, Coaching, Mentoring, Web Development.

Industry experience: Fintech, online investment and trading, customer consumption monitoring and billing, accounting, invoicing and expense management, Integrated Record and Document Management Systems (IRDMS), CRM, online commerce, B2B and B2C financial services, marketing and advertising, online dating.

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 more than 4,000 automated test cases and test run 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.

USQB — Board Member, Lead Expert

February 2015 - Present (11 years 8 months) · Kyiv

I own the process of reviewing Software Testing courses to certify them as Accredited by ISTQB. This includes:

- Establishing and maintaining acceptance criteria for the courses
- Owning terms and conditions of reviews
- Forming and leading the team of reviewers

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
- Automated tests for mobile apps (iOS, Android); enhanced and expanded the automation testing framework
- Tested a microservice-based web app: set up test automation and CI from scratch, starting with critical user scenarios for the UI, plus basic and security-related tests for the API
- Automated UI testing, API testing and mocking (REST, gRPC, websocket/socketIO), and visual testing
- Interviewed candidates, grew the team to 6 people, and mentored test automation engineers, fostering a culture of learning and innovation within the team
- Automated tests for a new reusable library of visual interactive elements: functional UI tests and 900+ snapshot-based visual tests with Playwright, run in CI

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 (10 years)

QA Lead
February 2012 - June 2020 (8 years 5 months) · Kiev - Copenhagen

- Introducing the QA function to the customer's company
- Hiring, onboarding, mentoring, leading manual and automated testers (up to 10 people)
- Leading QA efforts: defect life cycle and triage, regression scope, test metrics
- Hands-on UI, API, Database, Mobile, performance testing
- Moved release checks from ad hoc to CI/CD: around 2,000 tests ran within 1 hour
- Moving test automation to Cypress (an up-to-date framework) under test team ownership, growing it from 50 to 2,200 tests

Tech stack: Nightwatch.js, JavaScript, Cypress, Selenium/C#, JMeter, Postman, Jira, Zephyr, TeamCity

Test Team Lead
July 2010 - May 2012 (1 year 11 months)

Leading a group of 10 experienced testers who participate in or manage testing in four SCRUM teams.

- Driving innovation in test process and techniques. ACC modeling, pairwise test, structural exploratory test, breaking the software.
- High-level test control. Making sure the process is followed or improved. Using statistics and metrics to identify problems and track their resolution.
- Root cause analysis (RCA) of defects, including those that escaped to production, to drive improvements in process and test design. Reduced the number of escaped defects per release by 70-85%.
- Participating in test, managing test (MS office add-ins, web applications).
- Mentoring, coaching and people management.

Tools: MS TFS, MS Test and Lab Manager, MS Hyper-V, MS DWH + Excel / Pivot tables, MS Office, MS SharePoint.

Infopulse — Sr. Test Engineer
June 2007 - July 2010 (3 years 2 months)

Infopulse is one of the leading IT services outsourcing companies in Ukraine primarily oriented to the European and local markets.

I was a part of the team which works for the Danish software development company that develops and maintains the Integrated Record and Document Management System (IRDMS).

We work using OpenUP/Basic, an agile software development methodology.

I am responsible for:

- Developing test plans and test cases
- Developing scripts for automated testing
- Testing and reporting test results
- QA reviews of work products
- Developing environment, procedure and end-user documentation (utilizing Imformation Mapping method)
- Tailoring process documentation to the team and project needs
- Clarifying requirements and developing use cases

Tools and languages: Adobe FrameMaker (structured), Adobe Acrobat Pro, SnagIt, MS Office, MS Visio, MS Visual Studio (Team Explorer, Source Control, Bug Tracking), MS SharePoint, SoapUI/GroovyScript, SQL (Oracle).

Frontex — Head of Documentation and Analytics Department
October 2004 - June 2007 (2 years 9 months)

Frontex (Frontier Vision Technologies, Inc.) is a multinational company that owns businesses in several IT-related fields. The company is headquartered from the United States and has several offices in Europe.

After six months of working for this company I was promoted from Technical Writer to Sr. Technical Writer and then to Head of Documentation and Analytics Department.

I was leading a department which functions are managing project requirements, participating in project planning, developing and maintaining standards and project documentation, writing manuals, performing and documenting web statistics and competitor analyses, developing and translating administrative documents.

Being the head of department I have completed many complex tasks by myself, developed documentation templates and department workflow regulations.

Languages, tools and technologies: MS Office, MS Visio, MS Project, WebTrends, SQL, Adobe Acrobat Pro, HTML / CSS, Axure RP, SnagIt.

TopProgs — Project Manager, Head of Customer Support Department, Web Developer
August 2002 - September 2004 (2 years 2 months)

TopProgs was a startup web development company where I had grown from web developer and customer support engineer to project manager and head of customer support department.

Project manager: leading a team of developers and designer which implemented web projects, communicating with remote employer and clients.

Customer support manager: leading a team of 24/7 customer support (5 employees). Designing, developing and maintaining a web-based ticket system.

Web developer: developing and maintaining public websites, web-based applications and Flash chat.

Languages, tools and technologies: hand-written HTML / CSS, JavaScript, PHP, MySQL, Flash ActionScript, MS Office.

AlarIT — Web Developer
July 2002 - August 2002 (2 months)

AlarIT is a large Ukrainian outsourcing company with a number of clients and projects, mostly related to web development.

I have developed a banner engine and banner management tool for one of the company's clients.

Languages, tools and technologies: Hand-written HTML / CSS, PHP, Postgres.

Business Computer Service — Web Master
April 2001 - July 2002 (1 year 4 months)

Business Computer Service is a small ISP, computer hardware retailer and network integrator which also carried out several custom website projects after employing me.

I was responsible for developing and maintaining corporate website, dedicated websites for company's software products and websites of the clients, developing web banners.

Languages, tools and technologies: Hand-written HTML / CSS, PHP, Postgres, Macromedia DreamWeaver, Macromedia Flash, Adobe Photoshop.

EOS — Web Master
September 2000 - March 2001 (7 months)

EOS is a small computer hardware retailer.

My responsibility was developing and maintaining corporate website.

Languages, tools and technologies: HTML, MS FrontPage, Adobe Photoshop.

EDUCATION

Zaporizhzhya National Technical University

Master of Computer Applications - MCA, Software Engineering · (1998 - 2003)

LANGUAGES

- Ukrainian (Native)
- English (Full Professional)

CERTIFICATIONS

- ICAgile Certified Professional
- Claude Academy: Introduction to Model Context Protocol
- Claude Academy: Claude Code in action
- ISTQB Certified Software Tester - Foundation Level
- ISTQB Certified Software Tester - Advanced Level - Test Manager

PUBLICATIONS

- ISTQB Certification: Why and How