

Denis Krupchenko



Senior Automation QA Engineer (JavaScript/TypeScript)

Tbilisi, Georgia

Summary

10+ years of experience building scalable UI and API test frameworks and quality systems from scratch. Expert in modern Non-Selenium (Playwright, Cypress) and Selenium-based (WebdriverIO, NightwatchJS, CodeceptJS) ecosystems, CI/CD-driven QA, and quality strategy for complex web, desktop, and mobile applications. Proven track record of mentoring engineers, designing maintainable test architectures, and implementing AI-assisted testing workflows. Driven by engineering-first quality practices and continuous improvement of product reliability.

Technical Skills

Automation & Quality Engineering:

- ✓ Designing scalable UI and API test frameworks from scratch
- ✓ Test architecture and quality strategy for complex systems
- ✓ AI-assisted test development and prompt engineering
- ✓ Mentoring engineers and conducting code reviews
- ✓ CI/CD-driven QA and automation pipelines

Programming:

- ✓ JavaScript / TypeScript
- ✓ Node.js ecosystem
- ✓ Test framework development and tooling

Test Automation Technologies:

- ✓ Playwright

- ✓ Cypress
- ✓ WebDriverIO
- ✓ CodeceptJS
- ✓ NightwatchJS
- ✓ Selenium ecosystem

DevOps & Infrastructure:

- ✓ AWS services
- ✓ Jenkins
- ✓ Docker
- ✓ CI/CD pipeline design
- ✓ Git-based workflows

Skills in manual testing:

- ✓ Good knowledge of testing methodologies. Experience in Agile methodologies. Scrum.
- ✓ UI, functional, regression and other types of testing.
- ✓ Test documentation creation (Test Cases, Check Lists, etc). TestRail, TestLink.
- ✓ Knowledge and work in such Bug Tracking systems as Jira, Mantis.
- ✓ Knowledge of different tools for browsers: Firebug, Firepath (FF), standard developer tools (Chrome).
- ✓ Knowledge in HTML, CSS, Bug Lifecycle, Software Development Lifecycle, Test Documentation.

Work Experience

October 2025 – now – **HotCode (Epic5)** – Latvian building project for developers and builders.

Position – Senior Automation QA Engineer (Playwright + Typescript).

Responsibilities: Testing framework creation from scratch, pipelines setup, UI functional, API framework creation and tests writing, PR's and codes reviewing, vibe coding and prompting, regression testing, e2e testing, etc.

February 2024 – July 2025 – **MindK (TLN - Lactation Network medical project)** – USA project for lactation consultants and patients, their babies.

Position – Senior Automation QA Engineer (Playwright + Codecept.io).

Responsibilities: Testing framework improvements, UI functional, API framework creation and tests writing, PR's and codes reviewing, client side qa mentoring and automation teaching, general app quality control: new features verification, regression testing, e2e testing, etc.

June 2022 – January 2024 - **ICL (Agmatix agricultural project)** – Israel project for growers and agricultural needs.

Position - Automation QA Engineer (javascript/typescript)

Responsibilities: Testing framework improvements, UI functional, UI comparison, API framework creation and tests writing, PR's and codes reviewing, general app quality control: new features verification, regression testing, performance testing, etc.

December 2020 – June 2022 – **SoftServe (Currys – UK electronics retailer)** – UK big project – electronics retailer.

Position - Automation QA Engineer (javascript/typescript)

Responsibilities - Regression and e2e tests, new features verification, regression testing, UI testing, etc.

SoftServe (Greenway healthcare project) – USA project for USA hospitals.

Position - Automation QA Engineer (javascript/typescript)

Responsibilities - Framework creation and e2e tests writing (Protractor + Jasmine, Cypress + Mocha), new features verification, regression testing, UI testing, etc.

June 2019 – December 2020 - **Cloudbeds – Hospitality management system.**

Position - Automation QA Engineer (javascript/typescript)

Responsibilities - API & e2e autotests writing (Cucumber + Gherkin, Puppeteer + Jest)

September 2015 – June 2019 - **uCoz Development – (Ukit project – Websites constructor application).**

Position - Manual/Automation QA Engineer

Responsibilities - UI, functional, regression testing; Test-cases writing and support;

Technologies used: Jira, Mantis, Testrail; Selenium IDE, Selenium Builder; NightwatchJS; CodeceptJS; WebdriverIO; Architectures creation for e2e tests writing.

Contacts and other:

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Youtube QA channel -

<https://www.youtube.com/channel/UCLF3kBwJFbPK43C-BTFLKSww>

Frameworks and tests samples:

- Playwright (UI + API) - <https://github.com/dkrup/playwright-boilerplate>
- Playwright tests written by AI:
VS Code + Playwright + Copilot + MCP Server;
Cursor + Playwright + MCP Server –
<https://github.com/dkrup/playwright-demo>
Video - <https://app.screencast.com/dDtLZKdPZS1p2>,
<https://youtu.be/fGFGtor0zWs?si=J5IRV6xd5hf7UIRT>
- Cypress - <https://github.com/dkrup/cypress-boilerplate>
- Selenium + WebDriverIO + Mocha + Axios (API) + Docker (UI + API) –
<https://github.com/dkrup/wdio-mocha-typescript-boilerplate>
- Postman + Newman - <https://github.com/dkrup/postman-newman-boilerplate>

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