Boris Timofeenko

Senior SDET / Test Automation Engineer

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Work authorisation Non-EU national.

LANGUAGES English: C1 · Russian: Native

SUMMARY Senior SDET with 8 years in software engineering, 5 of them in QA. Currently QA Tech Lead at an FSCA-regulated South African fintech serving ≈100k users. I develop end-to-end automation for a Flutter mobile app with Patrol and Gherkin BDD, plus for web, REST APIs and custom AI agents with Playwright (TypeScript). I have an MSc in Big Data and Machine Learning, and apply my knowledge in testing AI-specific domains, such as our LLM support agent. I also drive appropriate AI usage throughout our team: we test simpler tickets with AI agents, and build AI knowledge bases across projects. Previously, I worked 4 years in a B2B travel-tech project, testing full Amadeus GDS and NDC workflows, integrations with payment providers (Authorize.Net, ConnexPay, SlicePay).

SKILLS

Test Automation Playwright (TypeScript/JavaScript), Patrol (Flutter), REST API testing, E2E testing, Cucumber/Gherkin, PyTest, Selenium, Appium, Postman

AI / LLM Quality AI agent testing, LLM evaluation, LLM-as-a-judge, tool-call verification, prompt injection, red-teaming, PII/data leakage, consent and privacy testing, OpenAI API, Anthropic API, LangChain

Engineering TypeScript, JavaScript, Python, Dart, SQL, Bash, GitHub Actions, GitLab CI, Docker, Kubernetes, Firebase Test Lab, BrowserStack

Performance and Observability k6, JMeter, Lighthouse, Grafana, Sentry, Elasticsearch, Kibana

QA Leadership Test strategy, test architecture, risk-based testing, release management, QA process ownership, mentoring, people management

Domains Fintech, payments, card issuing, reconciliation, KYC, AML, POPIA, B2B travel, GDS, NDC

EXPERIENCE

QA Tech Lead SOLmate — Nov 2025 – Present

Johannesburg, South Africa (remote). FSCA-regulated fintech, ≈100k active users: eWallets, debit cards, money transfers and payouts for the underbanked.

- Developed end-to-end test automation from 0 to ≈450 scenarios for mobile app, AI support agent and WhatsApp onboarding agent. This covers 65% of regression plan.
- Organized test plans into self-hosted KIWI TCMS. Mapped test cases from TMS to automated tests in code. Configured CI test runs, with results export to the TMS.
- Mobile: Together with dev team, built Flutter E2E automated tests using Patrol with a Gherkin BDD layer (bdd_widget_test). Runs in Firebase Test Lab with parallel execution, full pass in 25–30 min. Cut the flaky-test rate from ≈20% to ≈5%.
- AI Support Agent and WhatsApp onboarding agent automated tests include AI-specific checks, such as: resistance to injections, refusal of out-of-policy requests and absence of data leakage, POPIA consent scenarios. Outputs are evaluated using LLM-as-a-judge.
- Lead a team of 3 QA engineers, conduct 1-to-1s, performance and code reviews, sprint planning and capacity estimation. Upskilled 2 manual testers into automation engineers in 5 months.
- Built a Jira integration based on the ticket blast-radius field that hands testing of low-risk tickets to an AI verification agent under QA supervision, replacing ≈5–10 manual ticket verifications per release.
- Perform release sign-off. Cut the regression cycle from 2 days to 4 hours, moving the release train from every three weeks to every 1.5 weeks. The team's time-to-market for new features is now 10 days.
- Together with team, tested card issuing, reconciliation and money-transfer flows hands-on, including KYC, AML and POPIA compliance paths.

QA Engineer → Senior QA Engineer Typeable — Sep 2021 – Aug 2025

Remote (Montenegro). B2B travel-tech: flight and hotel booking platforms with carrier, GDS and payment provider integrations.

- Grew automated coverage on the core booking product from ≈80 to ≈550 cases in Selenium/PyTest and Playwright, Regression testing was reduced from 2-day manual run to a same-day automated run. This included Amadeus GDS and NDC integrations, fare search and pricing, booking and PNR handling, ticketing, seat booking, refunds and exchanges.

- Performed manual testing of new NDC carrier and payment (ConnexPay) integrations, catching defects before they reached production.
- Built an end-to-end regression suite for a new Montenegrin local-listings product from scratch in Playwright and JavaScript, supporting a one-week release cycle.
- Promoted to Senior QA Engineer in 2022; took ownership of test automation across 2 products and introduced test code review for the team.

Research Engineer ITMO University Nov 2020 – Jun 2021

Saint Petersburg, Russia.

- MSc thesis at the National Centre for Cognitive Development: semantic segmentation of grayscale satellite imagery into land-cover zones (water, forest, buildings) using U-Net in Keras and TensorFlow on the LandCover.ai dataset.

Frontend Developer Taptima, FEIP Oct 2018 – Jan 2021

Russia.

- Consecutive frontend roles writing production code in JavaScript and TypeScript. This background helps with the code-first approach to QA.

EDUCATION

MSc, Big Data and Machine Learning · ITMO University, Saint Petersburg 2020–2022

BSc, Applied Mathematics and Informatics · Far Eastern Federal University, Vladivostok 2016–2020

AWARDS

3rd place, ACM ICPC quarterfinal, 2018 (Student World Programming Championship).

Research grant, Far Eastern Federal University for GenAI: applying Variational Autoencoders to multitrack MIDI music generation.