

Leonid Dushyn

Lead SDET | QA Automation Engineer

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SUMMARY

Lead SDET with 15+ years of experience in test automation. Currently working on AI-enhanced services, partnering closely with data scientists to evaluate model capabilities, configurations, and behavior. Focused on identifying failure scenarios and developing effective testing approaches for non-deterministic systems, including prompt and post-processing guardrails. Experienced in leading automation strategy across multiple product teams, driving shift-left testing, and building scalable component, integration, and end-to-end test practices. Bring deep expertise in diagnosing frontend, backend, and database bottlenecks, along with a proven ability to build and mentor SDET teams and establish engineering standards that increase confidence in product quality, accelerate delivery, and enable reliable releases.

SKILLS

- **Frameworks:** Playwright, WebDriverIO, Selenium WebDriver, Robot Framework, SpecFlow, Cucumber
- **Languages:** JavaScript, Python, C#, Java
- **API & performance testing:** REST API testing, Postman, JMeter, load and stress testing, WebPageTest
- **CI/CD & cloud:** Jenkins, Git, AWS, Docker, GitHub Actions
- **Databases:** PostgreSQL, MS SQL, MongoDB
- **Monitoring & diagnostics:** New Relic, Dynatrace, Kibana, Grafana
- **Process & tools:** Jira, TestRail, TDD, BDD, UI, API, integration, contract and component testing

EXPERIENCE

Global Relay — Vancouver, BC

AI-powered compliance messaging and archiving platform for financial services, supporting the capture, preservation, analysis, and governance of email, instant messaging, social media, and voice communications.

Lead SDET | 2022 – Present

- Drove shift-left strategy: migrated 5k heavy E2E scenarios to component and integration tests.
- Led a contract-testing initiative that improved cross-team defect identification.
- Migrated UI automation from WebDriverIO to Playwright and moved tests to lower levels of the test pyramid, cutting regression time by 8 hours.
- Own testing and automation strategy across 3 product teams; define testing standards and align cross-team test efforts for release.
- Designed and executed Locust-based performance and reliability tests for AI services, validating Gemma 3-to-Gemma 4 model migrations, Prompt Guard and Post Guard workflows, voice-transcription performance, and multilingual translation using Qwen and Gemma models; analyzed latency, throughput, concurrency, error rates, and resource utilization to identify bottlenecks and support scalability improvements.
- Hire, mentor, and run performance assessments for SDETs (co-op to lead level). Helped grow and promote 3 SDETs. Document the framework, tooling, and test infrastructure.

Stack: Playwright, WebDriverIO, JavaScript, Jenkins, Jira, TestRail, Uptrends, Kubernetes

Corinex — Vancouver, BC

Smart-grid metering and broadband-over-powerline (BPL) communication infrastructure for utilities.

Lead QA Automation Engineer | 2020 – 2022

- Built the QA function from scratch: interviewed, hired, and trained a team of 3 SDETs; set individual KPIs and ran monthly, quarterly, and annual performance reviews.
- Built the acceptance-gate framework the utility client signed off on for web, firmware, and hardware.
- Performed on-site acceptance testing with clients, communicating defects and fixes directly.

Stack: Python, Robot Framework, Selenium, JavaScript, AWS, Jenkins

Vision Critical (now Alida) — Vancouver, BC

Cloud-based customer intelligence platform for enterprise customer communities and real-time feedback.

Performance Engineer | 2016 – 2019

- Investigated production performance issues across front end, back end, and database; identified bottlenecks and drove fixes using New Relic, Dynatrace, JMeter, and WebPageTest. Reduced production timeout and error rates by 25% by tracing failed transactions across frontend, backend, and database layers and eliminating the underlying performance bottlenecks.

Software Engineer in Test | 2013 – 2016

- Designed and delivered an automation framework adopted by 4 teams that fully replaced Telerik for Silverlight, supporting the move to Angular and native mobile.
- Automated mobile client testing with BrowserStack, reducing regression time by 8 hours.

Stack: C#, .NET, MSTest, Selenium, SpecFlow, AWS, JMeter, New Relic, Dynatrace, AppliTools

EARLIER EXPERIENCE

EPAM Systems (Ukraine) — Senior QA Automation Engineer | 2013

Stack: Java, Jira, TestRail, Cucumber

DataArt Solutions (Ukraine) — Senior QA Automation Engineer | 2010 – 2013

Stack: Java, C#, JavaScript, Python, Cucumber, REST, JIRA

BCPWA Society — Software Developer / QA Engineer, Vancouver, BC | 2008 – 2009

Stack: MS SQL, VB(.Net)

EDUCATION

- MS, Information Technology — Kharkiv National University, Kharkiv, Ukraine
- BS, Information Technology — Kharkiv National University, Kharkiv, Ukraine
- Certificate, Business Venture Program — BCIT, Vancouver, BC

CERTIFICATIONS

- ISTQB Certified Tester, Foundation Level — 2023