

Software Development Engineer in Test

ILIA DOBKIN

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ABOUT ME

Driven software engineer with 20+ years of experience spanning product, platform, and industrial test automation — from global audit and financial systems (CaseWare, MNP, JazzIt) to modern web delivery for startups and enterprises alike. Builds and maintains a self-hosted infrastructure lab (Proxmox, Ansible, Caddy, CI runners) that mirrors production-grade DevOps practices. Seeking roles where I can provide testing guidance, strengthen CI/CD operations, and collaborate with teams to optimize product delivery.

Core strengths: E2E test automation (Cypress, Playwright, Selenium), BDD (SpecFlow, Cucumber), accessibility (AODA/WCAG), observability (Grafana, Prometheus), IaC (Terraform), API and performance testing (Postman, Artillery), and reusable frameworks built for team adoption.

EXPERIENCE

Key: 🏠 Remote 🔄 Hybrid 🏢 On-site 📄 Contract 🧳 Full-time 🎓 Co-op

Niyasoft Canada Inc. 🏠 🧳

Vaughan, Ontario, Canada

Test Automation Engineer

August 2023 - April 2026

- Test Automation Engineer at an iGaming technology company specializing in online casino platform delivery; contributed to regulated, operator-facing products in an Agile environment with front-end and back-end teams.
- Built and maintained Playwright UI automation, API and integration tests, and Artillery performance suites; focused coverage on high-risk journeys including payments, wallet and cashier flows, game and lobby integrations, and supporting back-office capabilities.
- Validated responsible gaming and player-protection behavior: deposit, loss, and session limits; self-exclusion and cooling-off; reality checks and safer-gambling messaging; ensured flows behaved correctly for compliance and operator policy.
- Exercised compliance-sensitive scenarios such as market and geo-eligibility, age-gating touchpoints, restricted jurisdictions, and audit-friendly logging and traceability expected in licensed wagering markets.
- Managed GitHub Actions CI/CD for regression, functional, component, and smoke stages; used pull requests and code review daily to keep releases predictable for a high-availability real-money platform.
- Monitored API behavior and reliability with GCP, Prometheus metrics, and broader observability, logging, and alerting; validated PostgreSQL-backed data and integrations while keeping automation aligned with GitHub-driven workflows.

RIOS Canada 🏠 📄

Toronto, Ontario, Canada

Software Development Engineer in Test

June 2022 - July 2023

- Integrated end-to-end Cypress automation from the ground up for GUI and API testing across critical product flows; led training for engineering.
- Conducted AODA accessibility work: alt text, keyboard navigation, color contrast; scaled regression across web and mobile via Bitbucket CI/CD.
- Used Ansible to automate provisioning for repeatable test environments; partnered with engineers and product on triage and quality gates.
- Partnered with software engineers and product on defect triage, test reporting, and pragmatic quality gates.

Attabotics 🏠 📄

Calgary, Alberta, Canada

QA Automation Developer

September 2021 - May 2022

- Wrote Gherkin/SpecFlow scenarios with C# step definitions; sustained 3,500+ automated scenarios in a .NET / Azure environment.
- Practiced left-shift QA within a large Agile team: testers engaged early in design and development.
- Used Docker for local test environments and SQL Server for test data validation and traceability.

Levkin Inc. 🏠 📄

Vaughan, Ontario, Canada

Senior Software Developer

October 2020 - August 2021

- Built reusable Playwright testing building blocks with deterministic patterns, reducing flakiness and eliminating reliance on arbitrary sleeps or built-in waits.
- Audited and refactored legacy test and UI code toward current standards; documented testing strategy and shared knowledge across the team.
- Optimized GitLab CI/CD pipelines for speed and reliability; piped test and pipeline metrics into Grafana dashboards for release visibility.
- Used GitLab for repositories, merge requests, and code review as part of day-to-day development and collaboration.
- Provisioned AWS environments with Terraform, validated them end-to-end, and promoted changes to dev following the team's standard release procedure.

Accountants Templates Inc. 🏠 📄

Calgary, Alberta, Canada

Senior Software Developer

August 2019 - August 2020

- Owned CaseWare/CaseView template delivery: compliance updates, standards-driven releases, and documentation for internal and client use.
- Reviewed software for improvements and implemented recommendations; collaborated with support on reported issues.
- Streamlined build and packaging workflows, removing approximately eight hours of manual effort per release cycle.

Senior Application Developer

August 2017 - June 2019

- Designed, developed, and maintained software integrating with CaseWare/CaseView; extended functionality with JavaScript where specifications required.
- Delivered and maintained C# / .NET / .NET Core applications from technical specification through production.
- Assisted automation testers with Selenium tests, Jenkins triggers, Cucumber reporting, and JIRA summaries for management.
- Contributed automation strategy alongside hands-on Selenium/Cucumber work and Azure DevOps for planning, repos, and deployments.

CaseWare International Inc. ⇄ 🧰

Toronto, Ontario, Canada

Software Developer

August 2006 - June 2017

- Implemented features, resolved defects, and maintained financial and audit systems; supported distributors and clients.
- Delivered client templates with JavaScript, HTML, YUI, jQuery, JSON, and CSS at global scale.
- Designed and executed automated validation with SilkTest; mentored junior developers, built reusable JS libraries, and used Agile Scrum, Jira, and Git.

ROLI Consulting 🏠 🧰

Vaughan, Ontario, Canada

Web/Application Developer

January 2001 - July 2012

- Developed and maintained a voice broadcasting system and text-messaging service using Python and the Twilio API for commercial clients.
- Designed and maintained websites across multiple stacks, including WordPress; provided general technical consulting for nonprofits and SMBs.

Earlier Career

Kaboose Inc. 🏢 📄 • Coutts Information Services 🏢 🧰 • EDS / Scotiabank 🏢 🎓

May 2005 - August 2006

- QA automation with QTP/Quality Center, cross-browser and end-to-end testing, and UAT support (Kaboose); Java/J2EE development (Coutts); Informatica ETL co-op on AIX/DB2 (EDS/Scotiabank).

PROJECTS

Self-Hosted Infrastructure Lab

- Built and maintain a Proxmox-based homelab running production-grade services: Gitea, Vaultwarden, Vikunja, Uptime Kuma, Mailcow, Listmonk, n8n, SonarQube, and self-hosted CI runners.
- Manage all provisioning, configuration, and site deployments with Ansible playbooks; use Caddy as a reverse proxy with automatic TLS.
- Maintain several domains and host personal sites and services; administer Linux servers end-to-end including networking, security hardening, and monitoring.
- Operate TrueNAS for networked storage and backups; use Vaultwarden for secure credential and sensitive data management.

Privacy-First Local AI Assistant

- Building a personalized, tool-using assistant wired into email, calendar, and everyday productivity flows—triage, drafting, scheduling, and repeatable tasks—so it can actually do work instead of stopping at generic chat.
- Driving inference on local GPU hardware with self-hosted models so mail, calendar context, and prompts stay off third-party clouds; architecting for speed, control, and a hard privacy boundary aligned with the homelab stack.

SKILLS

SDET, software development engineer in test, test automation engineer, QA automation, Cypress, Playwright, Selenium, SpecFlow, Cucumber, Gherkin, BDD, TypeScript, JavaScript, C#, .NET, Node.js, Python, PyTest, Java, Spring Boot, HTML, CSS, REST API, E2E, GitHub, GitLab, Bitbucket, Jenkins, Azure DevOps, Ansible, Terraform, infrastructure as code, CI/CD, continuous integration, Docker, Proxmox, AWS Lambda, Azure, GCP, Google Cloud, Prometheus, Grafana, Sentry, DataDog, Postman, Artillery, JMeter, JUnit, AODA, WCAG, accessibility testing, cross-browser testing, mobile testing, regression testing,		smoke testing, functional testing, test strategy, page object model, PostgreSQL, MySQL, SQL Server, DB2, Informatica, ETL, Crystal Reports, TestRail, SilkTest, ASP.NET, Twilio, CaseWare, CaseView, Jira, Confluence, Agile, Scrum, shift-left QA, financial software, Linux, Caddy, TrueNAS, Vaultwarden, SonarQube, n8n, self-hosted CI runners, DNS, domain management, local AI, LLM, GPU inference, privacy-first automation, agentic workflows, email and calendar integration	
Test automation: Cypress, Playwright, Selenium, SilkTest, mobile & cross-browser E2E, API testing, JUnit, PyTest, TestRail, page object model		Languages & stacks: TypeScript, JavaScript, C#, Python, Java, .NET & ASP.NET, Node.js, HTML, CSS, Spring Boot	
CI/CD: GitHub Actions, GitHub, GitLab CI, Bitbucket, Jenkins, Azure DevOps, Ansible, self-hosted runners		BDD: SpecFlow, Cucumber, Gherkin, .NET test stacks	
Cloud & containers: AWS Lambda, Azure, GCP, Google Cloud, Docker		API & performance: Postman, Artillery, JMeter, REST APIs, Twilio, service testing	
Observability: Grafana, Prometheus, Sentry, DataDog, metrics, logging, pipeline telemetry		Accessibility: AODA, WCAG-oriented audits	
Data platforms: PostgreSQL, MySQL, SQL Server, DB2, Informatica, ETL		Delivery: Agile, Scrum, shift-left QA, Jira, Confluence, cross-functional SDET collaboration	
Domain: CaseWare, CaseView, Crystal Reports, audit & finance software		Version control & IaC: Git, Terraform, Ansible, infrastructure as code	
Homelab & local AI: Proxmox, Linux, Caddy, TrueNAS, Vaultwarden, SonarQube, n8n, Gitea, DNS, local LLM/GPU inference, privacy-first agents			