

Michael Braiman – 180097 Ontario Inc.

Senior Test Automation Architect and SDET

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Open-source UITAF: uitaf.org | GitHub: github.com/braimanm/selenium-uitaf

Summary

Senior Test Automation Architect and SDET with 20+ years of experience designing, developing, and implementing robust test automation and performance testing solutions across telecommunications, banking, insurance, gaming, and e-commerce sectors. Skilled in automation architecture, API testing, ETL validation, CI/CD integration, and cloud-based testing infrastructures, with a focus on scalable, maintainable, and reusable frameworks. Strong leadership experience mentoring QA engineers and guiding automation strategy.

Expertise

- **Architecture Design:** Designed and developed scalable, maintainable test automation frameworks for web, mobile, and enterprise applications.
 - **Testing:** Unit, Integration, System, Functional, API (SOAP/REST), Performance, ETL, Black-box, Grey-box, White-box testing.
 - **DevOps/TestOps:** Implemented CI/CD pipelines using Jenkins, Azure DevOps, and Git-based workflows.
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Technology Knowledge

- **Platforms:** Windows, UNIX, Linux, Mac
 - **Programming & Scripting:** Java, JavaScript, Visual Basic, VBScript
 - **Databases:** SQL Server, Oracle, PostgreSQL, MongoDB
 - **Test Automation Frameworks:** Selenium WebDriver, Appium, Playwright, Robot Framework, Karate, Katalon Studio, Tricentis Tosca, JMeter, QTP
 - **Continuous Integration:** Jenkins, CircleCI, Azure DevOps Pipelines
 - **Source Control:** GitHub, GitLab, Bitbucket, Azure DevOps Repos
 - **Cloud & Containerization:** AWS, Azure, GCP, Docker, Kubernetes
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Professional Experience

Palladin Technologies – Toronto, Canada

Senior Test Automation Engineer (Contract) | Dec 2024 – Aug 2025

- Designed and implemented a scalable, Java-based, framework-agnostic test automation framework for Salesforce Vlocity and MuleSoft integrations at a major U.S. telecom client, supporting Selenium or Playwright for UI automation, Unirest Client for API testing, TestNG for test orchestration, integrated with Jenkins CI/CD and Allure reporting.
- Delivered end-to-end API validation and reusable, data-driven test components for regression, smoke, and role-based testing.
- Mentored QA engineers and Salesforce developers, driving the adoption of long-term automation strategies across the team.

Scotiabank Commercial Global Engineering – Toronto, Canada

ETL Test Automation Architect (Contract) | Jan 2022 – Jul 2024

- Framework Development: Developed a comprehensive Test Automation Framework for validating Talend-based ETL jobs in support of Loan Origination (LOS), KYC, and AML processes, ensuring alignment with business specifications. The framework was built using the Java ecosystem, Salesforce Partner WSDL, and Kong Unirest client for testing SOAP/RESTful API services.
- UI Automation: Designed and implemented a UI-based Test Automation Framework for highly customized Salesforce and nCino banking applications, utilizing an open-source business-oriented framework and Selenium WebDriver API.
- Data Generation: Specialized in generating synthetic data for testing and training purposes using various Salesforce APIs.

QA Consultants (Contract) | Mar 2021 – December 2022

Test Automation Architect / Team Lead / Project Manager

- Led multiple teams of SDETs to deliver test automation solutions to clients. Responsible for architectural design, software development, technical mentorship, and project management.
- Developed new test automation scripts for Magento-based e-commerce applications using Katalon Studio and Java/Groovy.
- Automated UI and API (RESTful services) tests.

- Designed and implemented test automation infrastructure to run parallel suites on distributed Azure Cloud environment using Selenium Grid 3.

Canada Life Assurance Company | Sep 2020 – Feb 2021

Test Automation Architect (Contract)

- Architected and developed a test automation framework for Canada Life Salesforce and Vlocity-based web and mobile applications using Java, Selenium, and Appium.
- Implemented parallel test execution in Azure Cloud using Bitbucket and Jenkins CI.
- Developed mobile test infrastructure with Perfecto Mobile, BrowserStack, and Kobiton.
- Mentored team members on creating maintainable test automation scripts.

QA Consultants (Amica Mutual Insurance) | Nov 2019 – May 2020

Software Development Engineer in Test (Contract)

- Designed and implemented test automation frameworks for digital web and mobile insurance applications compatible across browsers and hybrid mobile apps.
- Developed test scripts using Java, Appium, and Selenium WebDriver APIs.
- Integrated mobile testing with local emulators, simulators, physical devices, and Perfecto Mobile cloud provider.
- Maintained and expanded Cucumber-based automation frameworks.

Scotiabank Wealth Management | Aug 2019 – Oct 2019

QA Automation Consultant (Contract)

- Designed and implemented API test automation framework for Salesforce ETL validation using Java Web Service Connector, SOAP, REST, and SOQL queries.
- Developed GUI web test automation framework for customized Salesforce Lightning applications using Selenium, TestNG, and Allure.

RBC Capital Markets | May 2017 – May 2019

QA Automation Consultant (Contract)

- Designed UI test automation frameworks for enterprise business applications compliant with Canadian (IIROC) and U.S. (FINRA) regulations.

- Converted UI tests to multi-threaded backend API tests, reducing execution time from 9 hours to 16 minutes.
- Developed performance and load tests with InfluxDB and Grafana for data visualization.

eBay Classified Group (Kijiji) | Nov 2015 – Apr 2017

QA Automation Consultant (Contract)

- Designed UI and API test automation frameworks for www.kijiji.ca, supporting data-driven, environment-agnostic, and browser-agnostic tests.
- Implemented parallel test execution on eBay cloud infrastructure via OpenStack API.
- Developed performance test suites using Apache JMeter.
- Mentored QA automation and manual testing teams.

Univeris Corporation | Sep 2010 – Sep 2015

QA Automation Specialist (Contract)

- Developed automation scripts for enterprise wealth management systems and hybrid mobile apps using Selenium WebDriver and Appium.
- Built XML dataset generators from Excel for data-driven testing.
- Integrated automated testing and reporting into Bamboo CI with Docker and Linux shell scripting.

IIROC | Oct 2008 – Jun 2010

QA Automation & Performance Specialist (Contract)

- Designed and executed performance tests for high-volume market surveillance systems processing 300M+ transactions/day.
- Developed simulators, client/server automation systems, and UI test automation frameworks.
- Tested financial communication protocols (FIX, STAMP, RSS feeds).

Cryptologic Inc. | Aug 2005 – Oct 2008

Team Lead QA Platforms / Automation Development Consultant

- Led QA automation teams using HP QuickTest Pro and proprietary tools.

- Developed automation engines for Adobe Flash objects, image comparison tools, and server load tests with JMeter and HP LoadRunner.
 - Provided project estimates and liaised with Engineering and Product Management in Agile environments.
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Education

B.Sc. in Electrical Engineering