Michal Zak

Senior Test Automation Engineer

Over the past years, I've primarily focused on the technical aspects of testing. This includes gaining a comprehensive understanding of how complex software systems interact to design robust, scalable test automation solutions based on modern best practices. I thrive on collaborating with colleagues to solve technical challenges, constantly expanding my skills through continuous team learning. With an open and communicative mindset, my easy-going and friendly personality helps me bridge communication and align with team needs. I continuously strive to deliver high-quality software under demanding technical conditions.

Personal Info

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Date of birth
05.04.1984

GitHub
https://github.com/zako05

LinkedIn
https://www.linkedin.com/in/zakmichal/

Twitter
https://twitter.com/zak_michal

Skills & Proficiency

- Exploratory Testing
- E2E Test Automation
- API Test Automation
- Playwright
- Git / GitHub
- JavaScript
- TypeScript
- React / Node.js / GraphQL
- CI/CD (Docker)
- Zsh / Vim
- Antigravity CLI & custom Agent Skills

Languages

English — Professional working proficiency

Czech — Full professional proficiency

Slovak — Native proficiency

Education

New Horizon College of English in New Zealand
Upper Intermediate, English

Slovak University of Technology
Ing., Informatics

Certificates

ISTQB Certified Tester Foundation Level, License 297

Experiences

Aug 2025 - Jun 2026

Senior Test Automation Engineer

Trezor, Prague

Projects:
Trezor Suite (Open-source application for managing secure hardware wallets)

- Architected and maintained Playwright (TypeScript) E2E test suites using Page Object Model (POM) and custom fixtures for core crypto workflows (onboarding, passphrase handling)
- Eliminated CI test flakiness and Electron teardown delays in GitHub Actions pipelines using Currents.dev
- Implemented automated testing for product analytics events and link validity checks using TypeScript, Python, and AI agentic CLI workflows (Antigravity CLI)

TechStack: TypeScript, Node.js, React, React Native, Playwright, Currents.dev, WebSocket, REST API, Python, Git (GitHub Actions), Antigravity CLI

Aug 2023 - Jun 2025

Senior Test Automation Engineer

Instea, Bratislava

Projects:
US Quick Online 1.0 & 2.0 (B2B web-based app to manage clinical supply chain logistics)

- Designed and managed load and performance testing frameworks from scratch using Grafana K6 in JavaScript for both projects

US Quick Dispatch Dashboard (Internal web-based app for dispatching international shipments)

- Built end-to-end (E2E) and REST/GraphQL API test suites with Playwright, implementing parallel worker token-refresh synchronization to eliminate CI race conditions
- Set up and optimized Dockerized CI pipelines in Jenkins for efficient application testing

TechStack: JavaScript/TypeScript, Node.js, React, REST & GraphQL, Git (GitHub/Bitbucket), MS Playwright, Grafana Labs K6, Docker, Jenkins

Jun 2023 - Jul 2023

Senior Test Automation Engineer

Vectary, Bratislava

(Online 3D design and augmented reality platform)

- Developed and maintained end-to-end and REST/GraphQL API tests with Cypress.io
- Configured and optimized CI pipeline in Bitbucket for application testing

TechStack: JavaScript/TypeScript, REST & GraphQL, Git (Bitbucket), Docker, Cypress.io

Interests

- Test Automation & JavaScript
- Running
- Traveling
- Splitboarding
- Ice Hockey

Jul 2021 - Dec 2022

Senior Test Automation Engineer

Vestberry, Bratislava

(B2B SaaS for VC portfolio management, providing data insights and automated reporting)

- Architected automated testing framework from scratch with Cypress.io (Page Object Model) adhering to best practices
- Managed E2E and REST/GraphQL API tests with isolated PostgreSQL test data in Docker
- Set up and managed CI pipeline in GitLab for efficient application testing

TechStack: JavaScript/TypeScript, Node.js, React, Postgres, REST & GraphQL, Git (GitLab), Docker, Cypress.io, Jest

Feb 2019 - Oct 2020

Software Test Engineer

Innovatrics, Bratislava

Projects:
Fingera (B2B SaaS solution providing biometric access control and attendance management for SMBs)

- Manually tested the attendance system “Fingera” with expertise in biometric technologies for fingerprint and facial recognition
- Managed automated tests in Selenium WebDriver (Ruby, Cucumber + Capybara) for the “Fingera” attendance system incorporating biometric features like fingerprint and facial recognition
- Designed and implemented a test automation framework using Cypress.io for a novel cloud-based solution

TechStack: Ruby, Ruby on Rails, Postgres, React, Git (Bitbucket), Docker, Selenium WebDriver, Cucumber, Capybara, Cypress.io

Jan 2017 - Oct 2018

Software Test Engineer - Lead

Box+Dice, Melbourne

(B2B SaaS Real estate CRM for agents and agencies to manage contacts, listings, and sales)

- Managed a testing team to ensure timely delivery of bug-free products to client
- Implemented Agile values and principles to facilitate seamless integration of testing into development process
- Facilitated regular communication with testers through individual sessions, e.g. stand-ups, retrospectives, etc.
- Executed various test plans to ensure timely delivery of releases to clients with minimal bugs

TechStack: PHP, Ruby on Rails, Backbone.js, CoffeeScript, React Native, MariaDB, Postgres, Git (GitHub), Jenkins, Jasmine, Selenium WebDriver, Appium