Mark N.
Senior Senior QA Automation Engineer, SDET

SUMMARY

- 10+ years in software quality engineering, automation testing, and SDET. - 4 years of experience with Python for automation development, scripting, and testing. - Deep skills with Java, Javascript, Typescript, PHP, Groovy, Swift, Kotlin, Ruby, and Go. - 5 years of expertise in mobile test automation using Appium. - Skilled in using Robot Framework for scalable test automation, focusing on RPA and API testing to streamline workflows. - 8 years of experience with Selenium/Selenide for web automation. - Extensive work with relational and NoSQL databases, including PostgreSQL, MySQL, MongoDB, and structured data formats like CSV/XML. - Strong background in CI/CD automation, including Jenkins, Docker, Docker Compose, CircleCI, and Kubernetes. - Experience with various QA tools such as Cypress, Cucumber, Playwright, WDIO, Browserstack/Lambdatest API, REST Assured, Postman, Axios, SOAP, JUnit/TestNG, PyTest, Allure reports, ReportPortal, Guava, AutoIT3 etc. - Created custom automation frameworks (Cypress-based) and migrated legacy QA systems, including CMS. - Experienced in API testing with GraphQL and RESTful services. - Testing techniques: Black-box (BVA, EP, CE, EG), Grey-box (pairwise, traceability matrix, decision tables), and White-box testing (statement analysis). Smoke/Regression/Release testing. - Test strategies development, with test plans, test cases etc. - Documentation, test reporting & analysis creation & maintenance.

TECHNICAL SKILLS

Main Technical Skills	Java, JavaScript, Cypress, Selenium (8 yr.), Appium (5 yr.)
Programming Languages	Go, Groovy, Java, JavaScript, Kotlin, PHP, Python (4 yr.), Ruby, Swift, TypeScript
Android Libraries and Tools	ADB, Android Studio, Kotlin, Room (Android Jetpack)
JavaScript Frameworks	Angular, jQuery, Next.js, Node.js, React
Java Libraries and Tools	Apache POI, Guava
Python Frameworks	Django REST framework, Flask
PHP Frameworks	Laravel, Symfony
Python Libraries and Tools	Robot Framework
Java Frameworks	Spring Boot
Databases & Management Systems / ORM	HeidiSQL, MongoDB, MySQL, PostgreSQL
UI Frameworks, Libraries, and Browsers	Bootstrap, HTML/CSS Preprocessors, jQuery

Methodologies, Paradigms and Patterns	Agile, BDD/TDD, Kanban, Scrum, TDD
QA, Test Automation, Security	Allure, Apache Maven, API testing, Appium (5 yr.), CharlesProxy, Cucumber, Cypress, Fiddler, Gatling, Jest, JMeter, JUnit, K6, Mobile Testing, Postman, REST-Assured, Selenium (8 yr.), Serenity, Test Cases, Test design, TestNG, TestRail, Web and Mobile testing, Xray
Third Party Tools / IDEs / SDK / Services	Android Studio, IntelliJ IDEA, XCode
SDK / API and Integrations	API testing, Google API, GraphQL, RESTful API
Collaboration, Task & Issue Tracking	Asana, Atlassian, Atlassian Confluence, Jira, Redmine
Scripting and Command Line Interfaces	AutoIT3
Virtualization, Containers and Orchestration	Docker, Kubernetes, Vagrant
Version Control	Git
Deployment, CI/CD & Administration	Jenkins
Other Technical Skills	ChromeDevTools, Conjuence, Modbus protocol testing, Zephyr Scale

WORK EXPERIENCE

Senior QA Automation, Nexy Media

(01.2025 - 03.2025)

Summary: Built and optimized a web scraping bot to monitor social media trends, track rising influencers, and analyze real-time content popularity.

Responsibilities:

- Designed and developed high-performance web scrapers for social media platforms;
- Implemented Playwright-based bots to bypass anti-bot mechanisms and extract structured data.;
- Used RabbitMQ for real-time message queuing and efficient processing of collected data;
- Integrated data processing pipelines to store and analyze scraped data.

Technologies: Python, Playwright, BeautifulSoup, RabbitMQ, MongoDB, PostgreSQL, Docker, Kubernetes, Elasticsearch, Kibana, AWS Lambda, S3.

Senior QA Automation, Sensia

(6 month)

Summary: Automated testing for an IoT orchestrator managing oil pumping processes and temperature-sensitive equipment.

Responsibilities:

- Designed and implemented automated test suites for IoT device orchestrator, integrating Python with C++ to enhance low-level device testing.
- Developed and refactored test cases for sensor data processing, real-time monitoring, and alert systems.
- Refactored C++ scripts to Python, improving flexibility, readability, and maintainability for testing sensor data and monitoring functionalities.
- Simulated sensor behavior using Dockerized environments to ensure system robustness under varied conditions.
- Validated API interactions between IoT sensors, cloud services, and control systems.
- Set up Docker containers for virtual device testing and integrated CI/CD pipelines using AWS for efficient automation.
- Managed automation reporting and ensured the reliability of testing through comprehensive CI/CD integration.

Technologies: Python, Pytest, C++ bindings, Pybind11, Docker, Docker Compose, MQTT, WebSockets, Grafana, Prometheus, Jenkins, GitLab, CI/CD, PostgreSQL, InfluxDB, REST, gRPC APIs.

Senior SDET, Test Automation Infrastructure (SDK5 Platform)

(11.2022 - 01.2025)

Summary:

- Supported company SDK, responsible for the automation of platform and integrations, maintained automation framework, mentored engineers, and set up CI/CD pipeline.
- Achieved significant coverage and performance improvements

Responsibilities: Automation framework maintenance, mentoring automation engineers, CI/CD pipeline setup, improving service performance, introducing new test framework approaches.

Technologies: Java, K6, Serenity, Selenium, RestAssured, Cucumber, BDD/TDD, Jira, TestRail, Jenkins, Docker, Kubernetes, GraphQL, Rest API, Postman, Apache POI, Guava, Scrum, Confluence, Git, IntelliJ IDEA, Maven.

Senior SDET, QA

(10.2021 - 10.2022)

I have worked in the test automation infrastructure team in a telecommunication company. I have been responsible for mentoring the automation engineers using our internal standards and introducing best practices into the internal framework. I have set up the CI/CD pipeline for the automation framework and have been responsible for the automation framework maintenance.

Achievements:

- Refactored one of the most important modules in the framework. It was a huge challenge for me, but I have done it.
- Introduced the new approach to the framework architecture.
- Implemented MVP for robot framework tests.

- Migration of KDD steps to the robot framework – transferred existing KDD steps written in outdated Java to a new robot framework.
- Development of custom KDD steps – created new KDD steps for process automation in the robot framework.
- Robot framework decoration – improved the architecture of the robot framework by optimizing its structure and expanding its functionality.
- Configuration and execution of the robot framework – organized and executed robot framework launches for testing and automation.

Main tools: Docker, Kubernetes, GraphQL, Python, Robot Framework, Java, Selenium, API Testing, Groovy, Jira, TestRail, Appium.

Senior QA Automation

(03.2019 - 03.2020)

I have been working on complex general company-based frameworks and solutions to ensure the quality of the whole company's products and improve automation of the existing processes Also my responsibilities were to lead the team of automation engineers, introduce best practices and standards, and improve the existing processes.

The project was a big e-commerce print-on-demand platform with a lot of different features and integrations. I have been responsible for the automation of the whole platform and its integrations with other services.

Achievements:

- Have created a typescript framework for the frontend and backend testing
- Have taught several manual testers to write automated tests
- Have created a lot of reusable components for the framework

Main tools: Jest, Javascript, Typescript, Cypress, Vagrant, Symphony, Cucumber, BDD/TDD, SCRUM/AGILE, Web and Mobile testing, React, Jenkins, PHP, Appium.

QA Automation Engineer, NDA

(02.2018 - 03.2019)

Summary: Managed a 10-person team, handled project management, and completed numerous projects with different technologies.

Responsibilities: Team building, project management, client interactions, meeting extreme deadlines.

Technologies: SCRUM/AGILE, JIRA, Android SDK, Kotlin, Room, PostgreSQL, MYSQL, MongoDB, XCode, Jest, Javascript, Typescript, Cypress, PHP, Vagrant, Laravel, React, Angular, Jenkins, Python, ODOO, Git, Linux.

Senior QA Automation, Healthcare Service Testing

(03.2016 - 03.2018)

Summary: Supported development team in a healthcare startup, tested services and webpages, and developed regression autotests.

Responsibilities: Supporting the development team, testing services and webpages, developing regression autotests, and reviewing unit tests.

Technologies: Jest, Javascript, Git, Linux, TestRail, Allure, Selenium, TestCases Writing, Test Design, Scrum/AGILE, TDD, JIRA, Rest API testing, WebSockets, WebRTC.

Junior QA Engineer

Project Management, Web App Testing, MMORPG Testing

(Duration: 01.2014 - 03.2016)

Summary:

- Tested web application used for project management, developed automation UI tests, and created a QA Automation framework.
- Responsible for prerelease and beta testing of a mobile MMORPG, and produced clean bug reports for developers.

Responsibilities:

- Testing web applications, developing UI tests, and creating a QA Automation framework.
- Pre-release testing, beta testing, bug reporting.

Technologies: JUnit, TestNG, Springboot, Selenium, Java, AutoIT3, Google API, Git, Linux, TestRail, Allure, Scrum/AGILE, TDD, JIRA, Rest API testing, Web and Mobile testing, Asana, Rest API testing.

EDUCATION

- **Bachelor's degree in Computer Science, 2016 - 2022** (State University of Telecommunication)
- **Richelieu Lyceum,** 2016

CERTIFICATION

- **Oracle Certified Professional Java Programmer, 2017**
- **ISTQB Certification Program, 2021**(Certified Tester Foundation Level).