

YURIY SAFRONNOV

Software Automation Engineer

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PROFILE

Forward-thinking QA Automation Engineer with 8 years of end-to-end software-quality experience and a proven record of improving reliability and release speed. Over the past 4 years at Fortress Information Security, I've optimized quality control across API, UI, and database systems, leading large-scale automation initiatives that strengthened delivery pipelines. Combining deep QA expertise with hands-on AI knowledge, I've also built AI-driven web applications, blending automation, analytics, and machine learning to deliver measurable business impact.

CORE COMPETENCIES

- End-to-End Testing
 - Cucumber, Gherkin, Python, RobotFramework
 - Selenium
 - UI Automation (Selenium, Puppeteer)
 - API Testing Automation (Postman, REST Assured)
 - CI/CD Integration (DevOps, Jenkins, GitHub Actions)
 - Performance & Load Testing
 - SQL & NoSQL Testing
 - Code Review / White-Box Testing
 - Docker & Kubernetes
 - Microservices Testing
 - TDD / BDD / ATDD
 - Python & JavaScript Programming
 - Jenkins Pipelines / Bash Automation
 - Automation from Scratch
 - Front-End & Back-End Testing
 - Optimization for Unit, Functional & Integration Tests
 - Test Plan & Test Strategy Development
 - SDLC (Agile, Kanban, Waterfall)
 - Cross-Functional Collaboration & Rapid Development
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WORK EXPERIENCE

AUTOMATION QA ENGINEER

Fortress Information Security

November 2021 - Present

- Led the design and implementation of automation frameworks for web, API, and database testing using Python, Selenium, Robot Framework, and Postman, increasing test coverage by 60% and reducing manual QA time by 80%.
 - Developed robust automated test suites across UI, API, and MongoDB layers, ensuring seamless end-to-end quality validation for both web and backend systems.
 - Architected and maintained CI/CD pipelines with GitLab and Jenkins, integrating continuous testing and automated deployments that shortened release cycles by 30% and improved deployment reliability.
 - Built and integrated an API testing framework directly into UI automation flows, achieving unified cross-layer coverage and faster defect detection.
 - Implemented AI-powered tools for automated file comparison and anomaly detection, improving accuracy and reducing validation time in data-intensive processes.
 - Designed and executed comprehensive test strategies aligned with project objectives, reducing critical production defects by 70% and improving release stability.
 - Conducted performance testing and analysis with JMeter and Gatling, identifying bottlenecks that boosted application responsiveness by 25%.
 - Mentored QA engineers and established best practices for automation, test case design, and CI integration, improving team efficiency by 20%.
 - Collaborated closely with cross-functional teams (developers, product owners, DevOps) to align testing priorities with business goals and release roadmaps.
 - Actively participated in requirements and design reviews, contributing to higher product reliability and more efficient feature delivery.
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2017 - 2021

- Designed and developed a Python + Selenium automation framework integrated with PyTest, improving test efficiency and reliability across multiple projects.
- Conducted functional and regression testing for both web and mobile applications, ensuring end-to-end quality and compliance with product requirements.
- Performed API testing using Postman, validating REST endpoints and data flows between frontend and backend.
- Executed cross-browser and mobile compatibility testing, ensuring consistent performance and user experience across platforms.
- Created and maintained test cases and reports, providing traceability and improving QA documentation quality.
- Managed bug tracking and defect lifecycle in JIRA, collaborating with developers for timely issue resolution.
- Implemented smoke, regression, and integration testing pipelines, enhancing release readiness and reducing post-deployment defects.
- Contributed to QA process improvements through automation, knowledge sharing, and continuous integration initiatives.

SKILLS

Programming & Scripting Languages:

Python, JavaScript, Bash, SQL, NoSQL (MongoDB), PowerShell

Frameworks & Libraries:

Django, PyTest, JUnit, TestNG, Robot Framework, Cucumber.js, Gauge, Gherkin, TensorFlow, PyTorch, NumPy, Pandas, Matplotlib Scikit-learn

Automation & Testing Tools:

Selenium, Cypress, Playwright, Puppeteer, Cucumber, Postman, REST Assured, JMeter, Gatling

DevOps, CI/CD & Cloud:

GitHub Actions, Jenkins, GitLab CI, Docker, Kubernetes, Heroku, AWS, Azure, Cloudflare, Neon

Web Technologies:

HTML, CSS, JavaScript (frontend integration), API testing and automation

Data & AI Tools:

Jupyter Notebook, TensorFlow, PyTorch, NumPy, Pandas, Matplotlib, Claude, Cursor, Studio3T, DataGrip

Version Control & Collaboration:

Git, GitLab, JIRA, Zephyr, TestRail

Methodologies:

Agile, Scrum, Behavior-Driven Development (BDD), Test-Driven Development (TDD)

EDUCATION

National University of Economics and Trade named after Mykhailo Tugan-Baranovsky

Masters Degree in Economics

2004 - 2009

CERTIFICATIONS

- Software Engineering
 - Supervised Machine Learning: Regression and Classification
 - Unsupervised Learning, Recommenders, Reinforcement Learning
 - Advanced Learning Algorithms
 - Machine Learning: Perceptron
 - PyTorch for Classification
 - Deep Learning Models with TensorFlow
 - Unit Test Development with GAI
 - Python for Data Science, AI & Development
 - Build Python Web Apps with Django
 - Django Application Development with SQL and Databases
 - HTML, CSS, SQL
 - Design and Develop a website with Figma
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