Roman Pobotin - Senior/Lead AQA

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Executive Summary

A passionate QA Automation Lead with 9+ years of experience, blending technical excellence with leadership vision, specializing in Software Development Engineering in Test (SDET) and Test Operations (TestOps). Expert in creating test automation frameworks, CI/CD pipelines, and leading Agile teams. Proficient in Python, with extensive experience in test-driven development (TDD), behavioral-driven development (BDD), and continuous integration/continuous delivery (CI/CD) methodologies.

Key Skills

- Programming Languages: Python (Expert), JavaScript/TypeScript (Basic), C# (Basic)
- Test Automation Tools: Playwright, Pytest, Selenium, TestRail, Jira
- CI/CD & DevOps: Jenkins, GitHub Actions, GitLab CI, Docker, AWS CodePipeline
- Cloud Technologies: Advanced proficiency with AWS services including EC2, S3, Lambda, Boto3, Device Farm, ECS, ECR, CloudFormation, AWS ChatBot, SNS, VPC, Security Groups, IAM; experienced in managing infrastructure with AWS CDK (TypeScript); OpenShift, Kubernetes.
- Web Frameworks & APIs: Flask, Django, RESTful APIs, GraphQL, Postman, Swagger
- Database Management: SQL, NoSQL, MSSQL, MySQL, PostgreSQL, MongoDB
- Agile Methodologies: Scrum, Kanban, XP, Lean Software Development
- Version Control: Git
- Quality Metrics & Monitoring: Grafana, Kibana, Elasticsearch
- Other Technologies: Advanced applications of OpenCV for visual testing, leveraging machine learning models to enhance test automation, and utilizing Python for data-driven testing strategies.

Experience

Senior QA Automation Engineer, Diia (UA), Oct 2024 - Present

- Pioneered automation testing in the department, creating over 1000 automated tests covering 70% of all business processes
- Designed and architected a robust Python test automation framework from scratch for the "Registry of Damaged and Destroyed Property" government project
- Implemented comprehensive Page Object Model architecture with reusable base components improving test maintainability and reducing code duplication
- Created advanced database testing solutions with PostgreSQL/OpenShift integration including automated port-forwarding and transaction management

- Developed custom HTML test reporting system with interactive timeline visualization, performance metrics, and failure analysis capabilities
- Built CI/CD pipelines in GitLab for automated test execution with parallel processing, reducing regression testing time by over 70%
- Implemented robust test data management strategies including data generators with Ukrainian localization support
- Created code quality monitoring tools including "code smells" analyzer to improve framework maintainability and enforce best practices
- Developed S3 bucket management utility for efficient test artifact handling and verification
- Led the test automation of native mobile applications (iOS and Android) using Python and Appium.
- Designed and built a custom mobile automation framework tailored for native app testing, including robust locators and synchronization mechanisms.
- Developed specialized tools for mobile testing, such as a proprietary native app screen elements inspector to streamline element identification and verification.
- Implemented mock systems for simulating backend services and external dependencies, enabling isolated and efficient mobile app testing.
- Integrated RabbitMQ for asynchronous communication and event

Lead AQA/SDET, SQUAD (UA), Nov 2022 to Oct 2024

- Testing complex Web UI solutions for training Computer Vision models by using markups.
- Led a team of 6 QA engineers, focusing on enhancing testing processes and methodologies.
- Dramatically reduced regression testing time from 3-4 weeks to just 1-2 days per release, significantly accelerating the release cycle.
- Achieved full automation test coverage for all 6 products, creating over 1000 tests from scratch for some products, thereby ensuring comprehensive quality assurance.
- Elevated test coverage for a key product from 40% to 95%, adding approximately 600 tests to the suite.
- Improved another product's test coverage from 20% to 85%, incorporating around 400 new tests, enhancing the reliability and robustness of the testing process.
- Led the transformation of legacy infrastructure to AWS, utilizing AWS CDK (TypeScript) to overhaul existing systems.
- Replaced Bitbucket and Jenkins setups with integrated AWS services such as CodeCommit, CodeBuild, and CodePipeline.
- Transitioned from Terraform to AWS CloudFormation, streamlining deployment processes and enhancing system reliability.
- Developed specialized testing tools to streamline and optimize QA workflows.

Earlier Positions:

- Senior AQA, BCD TripTech (US), Apr 2022 to Nov 2022

- Lead SDET, GlobalLogic (UA), Feb 2020 to Apr 2022
- Senior QA Engineer, INTELITY (US) - Jan 2019 to Jan 2020
- Automation QA Engineer, GlobalLogic - Mar 2018 to Jan 2019
- QA Engineer, Adyax (FR) - Jun 2017 to Mar 2018
- QA Engineer, Trust Sourcing (US) - Jan 2016 to Jun 2017

Education
- Master's in Agile Software Development, KROK University, Kyiv - Sep 2016 to Feb 2018
- Bachelor's in Computer Sciences, KROK University, Kyiv - Sep 2014 to Jul 2016
- Junior Specialist in Software Development, KROK College, Kyiv - Sep 2010 to Jul 2014

Languages
English: Upper-Intermediate