

Alexandru Pascan

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Skills

- **Languages:** Python, Javascript, Typescript, Java, Kotlin, Swift, Gherkin, bash
- **Frameworks:** Terraform, Playwright, CucumberJS, Selenium, Behave, RestAssured
- **Technologies:** Kafka, Protobuf, Kubernetes, AWS, docker
- **Tooling:** Helm, Jenkins, Artifactory, Sonar, Testrail, New Relic, Datadog

Experience

Software Engineer in Test, Nexthink – Lausanne, Switzerland Sept 2019 – Present

- Developed and maintained a comprehensive automation framework in Python, using the cucumber framework Behave, that covered integration (REST API, Kafka, and Protobuf contract validation) and UI tests (Selenium).
- Enhanced performance testing capabilities with Locust, optimizing the system's response time and reliability.
- Improved the Infrastructure as Code (IaC) by establishing and updating Jenkins pipelines in Groovy, handling building, quality gating, code coverage, and deployment of Helm charts to Artifactory, as well as Docker images to AWS ECR.
- Automating deployment workflows, ensuring seamless PR to master transitions with deployment, testing, and build failure reporting to TestRail, New Relic, and later Datadog.
- Implementing automated browser extension tests in Python using Pytest and Selenium, focusing on Native messaging communications, improving test coverage and reliability.
- Modernized the E2E framework for our team in CucumberJS TypeScript, using Playwright, that allowed frontend devs to contribute more comfortably to the testing initiative.

Quality Assurance Engineer, R3PI – Zurich, Switzerland Jul 2017 – Aug 2019

- Created and maintained the Android Espresso Test Automation Framework for the whole company, reducing regression testing time and improving test consistency by automating key functional tests across all teams.
- Developed and maintained Swift XCode automation tests for the Claims Project, enhancing test coverage and reliability, leading to fewer production issues in the iOS application.
- Expanded the Java Cucumber API Automation Suite by adding new test cases and functionalities, improving the reliability and coverage of Rest-Assured API tests, and reducing production bugs.
- Provided manual testing support for the Agile-focused Claims teams across iOS, Android, API, and backend systems, ensuring thorough defect identification and resolution.
- Conducted manual API testing for system configurations, ensuring accurate data flows and integration on web/API platforms, which minimized configuration-related issues.

QA Engineer, MIND CTI – Suceava, Romania Jul 2015 – Jul 2017

- Developed and executed detailed test cases for a J2SE web frontend on JBOSS, ensuring robust testing of modules like POS, CSR, resource management, and self-care, which improved application stability and user experience.
- Conducted thorough testing on J2SE applications for telecom services, including RTC and finance modules, to ensure functionality and performance, leading to reliable service delivery.
- Regularly updated and maintained virtual machines used for testing, ensuring that environments were up-to-date and reflective of production settings, which enhanced the accuracy and reliability of test results.
- Contributed to the Agile rework of the POS system, collaborating with cross-functional teams to refine and enhance system features, which resulted in a more efficient and user-friendly POS solution.
- Developed comprehensive SOAP API test suites, automating the validation of API endpoints and data integrity, which ensured the reliability and security of web services.
- Created and maintained personal regression test suites with Selenium, automating the testing process and ensuring that new releases did not introduce regressions, thus maintaining the quality of the application.

Education

- **"Stefan cel Mare" University** – BS In Informatics in Economy Apr 2016