IHOR LAZARKOV

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Software Developer Engineer in Test & Automation Test Architect

Dedicated and motivated senior software development engineer in test (SDET) with 8+ years of experience in software development and deployment, automation test architecture, and 15 years of experience in quality assurance. Critical thinker and creative problem-solver with finely honed technical skills, adept at delivering innovative testing solutions for front-end and back-end software development projects. Hands-on leader who serves as a key strategic advisor for senior management.

AREAS OF EXPERTISE

Software Development Lifecycle (SDLC) Automation Test Frameworks Coding Design Patterns

Complete Automation Test Solutions Test Design & Planning Functional Programming

Manual & Automation Testing Object-Oriented Programming Agile & Scrum Methodologies

Quality Assurance (QA) Debugging & Bug Fixes UI & API Testing

Root Cause Analysis Performance Testing Test Case Management

TECHNICAL SKILLS

JavaScript | TypeScript | Python | Java | Cypress | WebDriverIO | Mocha | Selenium WebDriver| Python| pyATS | Cucumber | FitNesse | JUnit | TestNG | Apache JMeter | REST Assured | Node.js | SQL | PostgreSQL | Oracle SQL | GitLab | Git | Github | TeamCity | Gradle | TeamCity | TestRail | Linux | MacOS | Docker | Visual Studio Code | IntelliJ | React | jQuery | HTML | CSS | JSON | XML | XPath | Jira | Confluence | WebSphere MQ | Tibco Enterprise Message Service | Spring Boot MVC | Microsoft Azure | Grafana

PROFESSIONAL EXPERIENCE

◤ **TEST AUTOMATION ENGINEER –** Accenture, Nashville, TN **|** Apr 2024 – Present

Work as senior technical automation test engineer in a team of 5 automation test engineers. Responsible to deliver automation test framework for functional and integration testing for three projects using Java, Selenium WD, Cucumber, RestAPI, JUnit. Integration of automation framework into CI/CD by tailoring Jenkins scripts and creation of schedulers. Communication with product owners, domain knowledge experts to learn functionality, demo of completed work, gather feedback and deliver improvements. Execute tests, perform issue analyze, bug fix in automation framework, provide test evidence.

* Contribute to automation test framework with code architect solutions, best practices utilizing GRASP, GoF, LISP principles for OOP and functional programming.
* Meticulous analyze code base of taken-over projects by execution of tests and reading the code base, to improve stability, remove false positive tests, decrease redundant code base;
* After meticulous refactoring false-positive tests were removed, cleared 1800 lines of code, increased test execution from 40 minutes to 10 minutes resulting in drastically improved overall quality of automation test framework;
* Established trust of teams in automation testing and its results by holistic approach to automation test engineering;
* Deserved key role in technical leadership by provide technical mentoring and solutions within the team;
* Participate in conferences across company to share with best practices and innovative approaches in automation testing;

◤ **SOFTWARE QA ENGINEER –** Cisco Meraki, San Francisco, CA **|** May 2022 – April 2024

Managed the responsibilities of multiple roles, including senior software automation test engineer (SDET), and software test engineer. Collaborated with various internal teams in an agile environment. Established testing standards and procedures and integrated automation testing into continuous integration and continuous delivery (CI/CD) processes across multiple environments.

* Automated implementation of functional, end-to-end and API tests in existing Cypress and pyATS automation test frameworks and integration into CI\CD processes to test cloud monitoring application for new products resulting in continues seamless testing showing advanced learning, technical, programming and testing skills.
* Architected and implemented automation test frameworks from scratch using WebdriverIO and led integration into existing CI/CD process to trigger execution of functional and end-to-end tests before merge into master which drastically improved quality of shippable product.
* Created test plans and strategies using close communication with the QA team, development team, product owner, and product management team to ensure adequate test coverage resulting in establishing process standards and improving test management and communication skills.
* Architected and implemented automation test frameworks and led implementation of reusable libraries and software for testing applying best programming practices, including clearly defined contracts (via interfaces), OOP, dependency injection (decupling and testability), functional programming, reusability, design patterns, and respective unit tests.
* Efficiently orchestrated the execution of manual and automated tests for multiple environments using critical thinking, root cause analysis, and troubleshooting skills, resulting in discovering multiple critical and high priority issues before production.
* Established effective test processes using CI/CD with extensive and effective validation points to ensure quality, resulting in catching defects before production of our own team, as well as defects that escaped from other teams.

◤ **SENIOR SOFTWARE AUTOMATION TEST ENGINEER –** EPAM Systems, Newtown, PA **|** October 2008 – February 2022

Worked in a fast-paced, agile environment on multiple complex projects, with multiple teams of 5 employees each. Developed test standards and strategies for new releases, defined the scope of testing, and collaborated with technical teams and product owners to discuss functional details. Designed and executed Java-based automation testing and performance tests frameworks and tools such as Selenium WD, Cucumber, FitNesse, TestNG, Rest Assured and JMeter etc. for web applications and RESTful application programming interface (API) services.

* Leveraged technical expertise to design an automation test framework to validate databases and messages across all projects and tests for a client, resulting in 4-times faster test execution, decreased support time, and improved visibility of software quality using proficient programming skills, expertise in Java, programming design patterns.
* Expanded testing coverage and capabilities by introducing new automation testing technology and transitioning away from the legacy system, which enabled cleaner tests and optimized readability, maintenance, and enhancements.
* Led a decrease in regression execution time and enabled monitoring of software stability by implementing a necessary code base and new Gradle tasks to enhance reliability and integration of automation test frameworks into CI/CD processes.
* Delivered reliable and scalable software by designing and integrating a new software project from scratch, including web applications, automation test frameworks, libraries, and plugins, to test front-end, back-end, and RESTful APIs.
  + Utilized Cucumber, Selenium, REST Assured, and numerous best practices, including configurability, reusability of components, object-oriented programming (OOP) concepts, Java design patterns, and functional programming.
* Decreased the time required for test preparation, test investigation, and QA environment health monitoring by developing web applications to facilitate testing using Spring Boot MVC, JavaScript, HTML, and CSS.

ADDITIONAL PROFESSIONAL EXPERIENCE

**Automation Test Engineer** **|** Luxoft, Odessa, Ukraine

**Software Test Engineer** **|** The Product Engine, Odessa, Ukraine

EDUCATION

**Master of Computer Systems & Networks** **|** Odesa National University named after I.I. Mechnikov

**Bachelor of Computer Systems & Networks** **|** Odesa National University named after I.I. Mechnikov

CERTIFICATIONS

**LFW211: Node.js Application Development** **|** The Linux Foundation

**edX Verified Certificate for Introduction to Node.js** **|** edX

**Functional Programming with Java** **|** LinkedIn

**End-to-End JavaScript Testing with Cypress.io** **|** LinkedIn

**Learning Selenium** **|** LinkedIn **Selenium Essential Training** **|** LinkedIn

**Performance Testing Course** | Perforator Club