IHOR LAZARKOV

Location: Hendersonville, TN, USA | email: ilazarkov@gmail.com | ph: (615) 506-9411
LinkedIn: https://www.linkedin.com/in/ihorlazarkov | profile: https://ihorlazarkov.github.io/IhorLazarkov/ | github: https://github.com/ihorLazarkov

Full Stack Developer

Client-centric Full-stack Developer with luxury taste in design with 8+ years of experience in Software Development for Testing and 15 years in Software QA. Proven ability to build robust, scalable solutions, leveraging extensive expertise in Software Development for Testing, debugging, and system understanding. Passionate about Software Engineering and creation of resilient full-stack applications.

Areas of expertise: SDLC, Software Engineering, Full-Stack Development, Monolithic architecture, Web-services architecture, CI/CD, Database design | Agile, Scrum, Test Planning, Test Design, Functional Testing, Integration Testing, End-to-End Testing, UI Testing, API Testing | OOP, Code Design Patterns, Debugging, Bug Fix, Functional Programming | Root Cause Analysis.

Technical Skills: JavaScript, TypeScript, Java, Python; React, Flask | ExpressJS, NodeJS, NGINX | HTML, CSS, jQuery, Bootstrap, SpringBootMVC| TDD, BDD, Cucumber, Cypress, WebDriverIO, Selenium, Serenity BDD, FitNesse, Mocha, JUnit, TestNG, PyTest, RestAssure, Postman, JMeter| HTTP 1.1, HTTP 2, HTTPS, WebSockets (ws), gRPC, REST, EMS, MQ; Sequelize, SQLAlchemi, Alembic, Hibernate, SQL, Postgres, Oracle, SQLite | Docker, K8S, Gradle, npm, pip, pipenv, git, GitHub, Jenkins, GitLab, Graphana, Chrome, Safari, devtools, react-devtools, geolocation API, Google MAP API, Speech Recognition API.

Professional Experience

Test Automation Engineer - Accenture, Nashville, TN | Apr 2024 - Present
Tech stack: Java, Selenium WB, Serenity BDD, Cucumber, Applitools, Gradle, Jenkins, Git

Worked as a senior technical automation test engineer in a team of 6 engineers. Responsible for delivering an automation test framework for functional and integration testing for two projects with integration into CI/CD. Communication with product ownership to learn functionality, demo of completed work, gather feedback and deliver improvements.

- Contribute to automation test framework with project architect solutions and best practices by utilization of OOP principles (e.g. polymorphism, inheritance, encapsulation) code design patterns (e.g. Builder, Singletone, Factory Method, Commander or Strategy, Facade) and decoupling implementation and encapsulation via abstract methods, interfaces and functional interfaces;
- Design test scenarios in Gherkin language using parametrized instructions, DataTables, Scenario Outline for reusability, parametrization of instructions with maximum level of readability for non-technical people as well as with exhaustive level of details to make test valuable assets and source of truth;
- Implementation of glue code (executable code associated with each command in feature file) in clear per page and/or functionality break-down to establish clear ownership of responsibility to avoid code duplication;
- Meticulous code analysis of transferred project by debugging, executing of tests, gaining ownership of a code-base, refactoring and as a result stability improvements, decrease of duplicated code by ~1800 lines and tests execution time by up to 40%;

Software QA Engineer - Cisco Meraki, San Francisco, CA | May 2022 - Apr 2024
Tech stack: JavaScript, TypeScript, Cypress, WebDriverIO, Applitools, GitLab, Git

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

- Implementation of automation testing for functional end-to-end and API scenarios using test frameworks in-house and POC and onboard new frameworks with integration into existing CI/CD and slack-hooks reporting;
- Architect and implementation of automation test framework from scratch, when test plan and test design is confirmed and approved, with following integration into existing CI/CD by creating trigger conditions, execution jobs and test report generation steps;

- Design test strategy and plan of testing with separating of necessary work by phases, communicating with Tech and Dev leadership via clearly defined agendas and timeframe and presentation of information in clearly designed tables, graphs and illustrations using appropriate fonts, colors and font-sizes;
- Establishing quality gates to run automated tests to ensure operational health of the software by creation of triggers in CI/CD before merge into master branch that led to drastic improvements in quality of shippable product;

Additional Professional Experience

- Senior Software Automation Test Engineer - EPAM Systems, Newtown, PA | Oct 2008 - Feb 2022
- Automation Test Engineer - Luxoft, Odessa, Ukraine
- Software Test Engineer - The Product Engine, Odessa, Ukraine

Education

Full-Stack Engineer - App Academy, Remote | Dec 2024 - May 2025
Tech stack: HTML, CSS, React, JavaScript, Flask, Sequelize, SQLAchemi, SQLite, Postgres, Docker, Git, Geolocation API, Speech recognition API, Google Maps API

Work in a team of up to 4 team members as Full-Stack Development to create web-applications for e-commerce businesses. Contributed in architecture, implementation of back-end and front-end components, code review, testing, merge and deployments.

- Created host server from ground-up by configuring NGINX to serve as reverse proxy to both HTTP 1.1 and WebSockets web-services and web-apps with support of HTTPS with self-sign certificate generated via openssl;
- Integrated ORM systems to establish persistence of state of web-service by creating models with validators and dependencies (e.g. one-to-one, one-to-many, many-to-many), versioned migrations to create tables in database and schema, and seed files to populate values in database to perform testing or demos.
- Implemented GET, POST, PUT, DELETE routes and error-handling middleware based on HTTP 1.1 for RESTful web-services using sync/async functions, try/catch blocks to catch errors and transfer them to error handling middlewares for resilience and overall up-time;
- Implemented transactional data persistence by using Transaction entity of ORM within try/catch block in sensitive pieces of functionality such as update or delete of an item and its dependent entities to guarantee data integrity;
- Implement state management store on client side of web-app with utilizing of sync and async (thunk) approaches to perform CRUD communications with back-end;
- Implemented reusable React UI components with optimal utilization of react hooks (e.g. useState, useRef, useSelect etc.) for optimal rendering to provide better responsiveness and user experience;
- Perform effective bug fix by efficient root cause analysis utilizing debugging tools (e.g. Chrome devotools, React devtools), analyzing logs and applying of gained high level of expertise in the business domain what helped a team to deliver in time;
- Communicated effectively within a team by creating meeting agenda and timeframe, responsive to emails, analyzing issues independently and asking questions with clearly composed questions;
- Gathered web-apps statistics using Grafana to identify users visits rate daily, journey paths by storing called URIs with sessions Ids.

Master of Computer Systems & Networks | Odessa National University
Bachelor of Computer Systems & Networks | Odessa National University

Certifications LFW211: Node.js Application Development | The Linux Foundation; edX | Performance Testing Course | Perforator Club