

Sergey Ivanov

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Summary

Detail-oriented QA Engineer with extensive experience in automated, manual, end-to-end testing, performance analysis, and cross-functional collaboration. Proven expertise in implementing and maintaining automated UI testing suites using Playwright, vanilla JavaScript/TypeScript, and scripting in Python. Skilled in SQL queries, black box testing, and cross-browser testing.

Work Experience

Wintergreen Corporation | Software QA Engineer | Alpharetta, GA 2023-Present

- Formed the QA function in a legacy 20+ year-old organization, taking ownership of all software QA operations amid significant technical debt, a large development backlog, and ambitious plans for scaling through new features and integrations.
- Led the implementation and ongoing maintenance of automated UI testing suites using Playwright/TypeScript, improving regression testing efficiency and coverage.
- Established QA processes from the ground up, reducing developers' involvement in testing, and facilitating communication with stakeholders and cross-functional teams.
- Designed and executed test plans for complex e-commerce workflows, including shopping carts, shipping cost calculations, inventory, product cataloging, payment processing, and warehouse logistics.
- Ensured that the test coverage protected business-critical systems, preventing costly downtime during periods with hourly revenue in the tens of thousands of dollars.
- Created detailed test cases (Gherkin-style) for internally developed CRM, CMS, warehouse, and e-commerce platforms, despite minimal documentation.
- Wrote SQL queries to find test case examples and validate data integrity across various databases.
- Monitored and triaged error logs related to SQL Server Agent jobs and stored procedures, identifying and escalating issues affecting business operations.
- Performed black-box testing on custom warehouse processing terminals running on Raspberry Pi devices.

Content Thread | Software QA Engineer | Atlanta, GA 2018-2023

- Supported 12+ clients across diverse industries (healthcare, senior care, manufacturing, finance), each with unique team structures and development cadences.
- Automated mass data edits using Python scripts, eliminating hours of manual updates and significantly improving team efficiency.
- Wrote SQL-style queries used to extract and analyze data from CMS components, assets, metadata, and content mappings.
- Authored QA documentation and trained QA personnel to ensure seamless project handoffs and maintain test quality during parallel initiatives.
- Managed content backups, versioning, and cross-server migrations to ensure data consistency and data loss prevention.
- Performed automated and manual cross-browser and mobile UI testing on desktop browsers and live Android/iOS devices to ensure front-end compatibility.

Personal Software Dev Projects

Django Dubplates | see code: https://github.com/syivanov/django_dubplates 2023

- Django REST Framework API with Postgres to manage CRUD needs of a digital music store service.

RYM List Enhancer | see demo: <https://youtu.be/wDzafj1z6f0> 2018

- A web scraping app for recommendation lists on a music website.

Education

DigitalCrafts | Python + JS Full-Stack Web Developer 2017-2018

University of North Carolina at Charlotte | B.A. 2007-2011

- English major, Mathematics minor, foreign language translation certification