Andrei Repo

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Summary

Senior QA Engineer specializing in highly regulated iGaming, with a track record of building scalable test automation (Playwright, Cypress, WebdriverIO) to enable secure, compliant CI/CD and rapid releases. Owns end-to-end quality-from APIs to mobile-in Agile, distributed teams. Drives efficiency, mentors engineers, and delivers auditable, high-stakes software with zero critical post-release defects.

Work Experience

Maple International Ventures Limited (Lottomart)   **Nov 2025 - Present**
QA Engineer   *Remote*
  • Developed and maintained robust automated end-to-end tests using WebdriverIO, containerized with Docker for consistent execution and debugging; integrated into CI/CD to enable rapid feedback and reliable regression coverage.
  • Architected an agentic AI-assisted QA workflow that integrated project-specific context and rules into the development lifecycle, ensuring all WDIO scripts adhered to strict quality standards and architectural best practices.
  • Executed end-to-end manual and automated testing within an Agile Scrum team to deliver high-quality features for Lottomart's regulated iGaming platform.
  • Collaborated closely with developers to improve testability, promote quality ownership, and ensure software met functional and compliance requirements.

Sketch B.V.   **Oct 2021 - Jul 2025**
QA Engineer   *Remote*
  • Led the migration and long-term adoption of a Playwright-based automation framework, replacing Cypress to improve stability, reduce execution time by 30%, and expand coverage for complex user workflows.
  • Designed and maintained custom Playwright fixtures, utilities, and reporting pipelines, ensuring scalable and reusable automation across teams.
  • Implemented comprehensive API validation and monitoring strategies using Postman, ensuring system reliability and early identification of critical bugs through shift-left testing.
  • Developed automation support scripts in Bash and Python for test utilities and data validation, optimizing CI/CD integration workflows using GitHub Actions.
  • Mentored engineers in Playwright best practices, enabling cross-functional teams to transition smoothly and deliver more reliable automation at scale.
  • Maintained XCTest UI test suites for macOS applications, ensuring feature stability and comprehensive regression coverage.

Playtech plc   **Jul 2018 - Oct 2021**
QA Automation Engineer   *Gibraltar, Gibraltar*
  • Owned quality strategy for Games Marketplace web platform, providing strategic guidance that enhanced team performance and improved software quality across distributed cloud microservices.
  • Built and maintained Cypress E2E suites, integrated with Jenkins, cutting release cycle time by 60%.
  • Collaborated with CTO, DevOps, and architects to embed quality gates into deployment pipelines and improve observability.
  • Proactively implemented enhanced non-functional testing including API performance testing and monitoring, leading to more resilient applications.
  • Validated large-scale JSON data processing pipelines, ensuring accuracy and consistency across microservices architecture and container-based deployments.

The Rank Group plc   **Aug 2017 - Jul 2018**
QA Engineer   *Gibraltar, Gibraltar*
  • Delivered high-quality releases for 2 casino websites and 5 mobile apps through rigorous regression, integration, and smoke testing.
  • Built a UAT validation framework from scratch, enabling stakeholder sign-off with zero critical post-release defects.

Ladbrokes Coral Group plc   **Apr 2016 - Aug 2017**
QA Analyst   *Gibraltar, Gibraltar*
  • Executed test cycles for Coral Sportsbook across web and mobile in Agile/Scrum teams.
  • Bridged communication between product, offshore devs, and QA to ensure on-time, high-quality deliveries.

Projects

Full-Stack Todo Application | React, Node.js, MongoDB, Docker, Traefik | Live Demo

Hosted on AWS

- Built a secure, containerized CRUD app with auth, deployed via Docker + Traefik with Let's Encrypt HTTPS.
- Implemented Playwright E2E tests in GitHub Actions, achieving 95%+ reliability and demonstrating full-cycle ownership from code to production.

Infrastructure Automation Platform | Kubernetes, Jenkins, Prometheus, Proxmox

Self-Hosted Environment

- Deployed a single-node Kubernetes cluster to manage containerized apps.
- Configured Prometheus for monitoring and Jenkins for automated deployments.

Skills

- **Test Automation**: Playwright, Cypress, WebdriverIO, Selenium, Postman/Newman, Detox, Appium, k6
- **Cloud & DevOps**: AWS, Docker, GitHub Actions, Jenkins, Terraform (IaC), Kubernetes
- **Languages**: JavaScript, TypeScript, Python, Bash
- **Quality Practices**: Shift-left Testing, BDD, Risk-Based Testing, API Validation, Performance Monitoring

Education

University of Oxford, Department for Continuing Education   **Sep 2014 - Jul 2015**
Undergraduate Advanced Diploma, IT Systems Analysis and Design   *Remote*

Certifications

- **AWS Certified Cloud Practitioner: Cloud architecture and services expertise.**
- **AWS Solutions Architect Associate (Expected Q2 2026): Advanced cloud solution design.**
- **ISTQB® Certified Tester - Foundation Level: Software testing principles and techniques**

Languages

- English (Full Professional Proficiency)
- Spanish (Professional Working Proficiency)
- Russian (Full Professional Proficiency)
- Estonian (Limited Working Proficiency)