

# Andrei Repo

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## Summary

Senior QA Engineer with 9+ years of experience in highly regulated environments, including the online gambling sector. Proven expertise in building scalable Playwright and Cypress test frameworks, optimizing CI/CD pipelines, and implementing shift-left quality practices to ensure production reliability. Skilled in modern testing tools, cloud platforms, and API validation. Proven track record of leading high-priority projects and driving cross-functional collaboration to improve testing efficiency and software quality.

## Work Experience

### 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 | <https://todo.andreiqa.click/>

*Self-Hosted Environment*

- Developed a responsive CRUD app with user auth and real-time updates.
- Containerized with Docker, deployed behind Traefik, and secured with HTTPS.
- Covered with Playwright E2E tests and integrated into a GitHub Actions CI pipeline.

### 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, Selenium, k6, Postman/Newman, Detox, Appium
- **CI/CD & DevOps:** GitHub Actions, Jenkins, Docker, AWS, Terraform (beginner), Kubernetes (beginner),
- **Languages:** JavaScript, TypeScript, Python, Shell/Bash
- **Databases:** MongoDB, PostgreSQL
- **Test Management:** JIRA, TestRail, Confluence, Defect tracking, Test Metrics Reporting

- **Methodologies:** Agile, Scrum, BDD, Shift-left Testing, Risk-Based Testing

## Education

**University of Oxford, Department for Continuing Education**  
*Undergraduate Advanced Diploma, IT Systems Analysis and Design*

**Sep 2014 - Jul 2015**  
*Remote*

## Certifications

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

## Languages

- English (Fluent/Native-level)
- Spanish (Professional Working Proficiency)
- Russian (Native)
- Estonian (Professional Working Proficiency)