

Jack Duck

Senior QA Engineer

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QA lead keeping releases trustworthy by blending automation, exploratory testing, and data-driven risk calls.

✓ Designs pragmatic test strategies that balance UI, API, and contract coverage.

✓ Builds and maintains CI-integrated automation for regression, smoke, and performance suites.

✓ Coaches teams on quality gates, defect triage, and clear acceptance criteria.

Cypress

Playwright

Postman

JMeter



Skills & Tools

Automation

- Playwright/Cypress UI
- API tests (REST/GraphQL)
- Contract tests & stubs
- CI smoke/regression
- Perf: JMeter/k6
- Selenium
- CI/CD pipelines
- Cloud infrastructure
- Docker / K8s
- GitHub Actions

Strategy

- Risk-based planning
- Exploratory charters
- Release readiness
- Defect triage/RCA
- Acceptance criteria
- Test architecture

Quality Ops

- Agile QA
- Metrics & dashboards
- Go/no-go checklists
- Bug reports & RCA
- Monitoring & logs
- DORA metrics
- Splunk
- Grafana
- SonarQube



Experience

Senior QA Engineer (DuckDuckGo)

09.2022 - Present

- Owns quality strategy for privacy-focused web and mobile releases, aligning test depth to risk and release cadences.
- Leads Playwright/Cypress automation for regression and smoke suites, cutting manual release validation time by 45%.
- Introduces contract testing and API stubbing to stabilize CI pipelines and reduce flaky failures.
- Facilitates defect triage, RCA, and prevention actions across squads, improving escaped defect rate quarter over quarter.

QA Engineer (QuackOverflow Solutions)

08.2019 - 08.2022

- Designed and executed API and UI test plans for a high-traffic community platform, covering happy paths and edge cases.
- Implemented Cypress-based regression packs and integrated them with GitLab CI to guard critical user journeys.
- Partnered with product to refine acceptance criteria and ensure stories were testable and observable.
- Documented defects with clear reproduction steps, logs, and impacted scope to accelerate fixes.

- Executed manual regression and exploratory testing across web and backend services using structured charters.
- Built initial Postman collections and data sets to speed up API validation and smoke checks.
- Supported release sign-offs by verifying fixes, running smoke suites, and maintaining test documentation.



Projects

Flaky-Free CI Initiative

Audit and refactor E2E suites to eliminate flaky tests, introducing contract tests, better waits, and test data isolation.

Technologies: Playwright, Cypress, GitHub Actions, Pact, Docker

Link: github.com/jackduckdev/flaky-free-ci

Performance Guardrails

Performance testing harness that runs nightly JMeter/k6 checks with budgets and alerts for critical APIs.

Technologies: JMeter, k6, TypeScript, Grafana, Prometheus



Education

Quality Assurance Engineering (*Postgraduate studies*)
Quackow University of Science and Technology

10.2018 - 07.2019

Computer Science (*Bachelor of Science*)
Mallard Institute of Technology (MIT)

10.2013 - 06.2017