Trey Turner

QA Manager / Architect / Team Lead / Sr. SDET

Contact info by request
https://treyturner.info

PROFESSIONAL SUMMARY

Software quality & test/automation manager with 17 years in quality assurance and 23 in information technology. Assembles testing teams and technologies that cut through technical debt, increase developer and customer confidence, and reduce time to market. Proven record of success reducing escapes to field, increasing controls, and maximizing the value of test cycles independent of duration.

EXPERIENCE

RepeatMD — *Senior SDET*

December 2023 - June 2024

Sole developer of a Playwright framework and test suite covering a multi-tenant E-commerce platform with desktop B2B and mobile B2C interfaces. Created robust page objects, data access objects, and test cases supported by extensive documentation and examples. Created configurable fixtures for managing test data by extrapolating requirements from design documents and production code.

Implemented and maintained quality processes, technology, and reporting in CI using GitHub Actions. First responder for test issues impacting the pipeline. Continuously updated build process to improve consistency, quality, and developer experience while reducing billable CI hours.

Guided engineers in understanding test failures and best practices in test design. Advised process improvements to better integrate QEs.

Categorized and repaired sources of inconsistency in a Cypress test suite, including errors in test and fixture design, selector strategy, environment configuration, and application behavior.

Stoplight.io — *Senior SDET, Infrastructure*

May 2022 - October 2023

Responsible for the health and efficiency of automated test frameworks, tools, and data sets. Planned and executed architectural changes to repair and enhance test capabilities. Created, debugged, and maintained automated tests and infrastructure. Escalation point for test issues inside and outside the QA team.

SKILLS

QA Program Management
Staff Mentoring &
   Development
Software Quality Metrics
Test Design & Automation
Test Environment Design
Continuous Integration
   & Delivery
Agile Methodologies
Fault Categorization
Documentation

LANGUAGES

TypeScript
JavaScript
Groovy
Java
Python
Ruby
PHP

INDUSTRIES

Software Tooling
E-commerce
Web Hosting, PaaS, SaaS
Wireless/Internet Service
Content Pipelining &
   Streaming Distribution
Traffic & Tolling
Data Analytics

Proactively identified, categorized, and resolved emergent and intermittent issues in CI. Created, documented and mentored test development standards. Created and maintained custom TestRail reporters and integrations, providing visibility into aggregate results and trends. Reviewed code from QAs and developers.

Implemented, documented, and trained developers on Playwright as a replacement for an unreliable Cypress test suite. Converted tests, creating and using configurable fixtures and page object models to increase velocity and maintainability.

Kapsch TrafficCom — *Test Engineer Manager*

August 2019 - May 2022

Hired, trained, and managed a lean automated software testing team from the ground up. Defined testing and release processes for software components and customer projects. Provided testing and automation support, solutions, and strategy to my team and the broader organization.

Performed all line-management duties for my team, including standups, retrospectives, one-on-ones, performance reviews, labor scheduling and forecasting. Reviewed feature and automation code and mentored staff on how to better engage in the review process.

Assembled and maintained a modular test and test reporting framework from open source tools, enabling cross-browser testing of front and back-end applications, databases, and performance testing. Automated generation and publishing of comprehensive test reports in a variety of formats and data warehouses. Built, tested, and published test framework builds to Artifactory via GitLab CI to be consumed by downstream product- and project-specific test repositories. Created and maintained integration test pipelines across a variety of products and projects.

Live Earth — *SDET*

October 2017 - June 2019

Covered all quality and test needs for a multi-platform client/server GIS mapping application. Authored a Selenium/Node BDD automated test suite with over 1,300 tests while simultaneously qualifying monthly releases. Setup a Selenium grid and Jenkins jobs executing against multiple environments and targeting multiple operating systems and browsers with aggregate HTML reports. Authored a visual regression suite to inspect UI and ensure availability of rendered data. Implemented a CI/CD pipeline for the web client, and managed production deployment of releases and hotfixes.

TOOLS

UI Automation
  Playwright
  webdriver.io & Appium
  Cypress
  Selenium/WebDriver/Geb

API Automation
  Karate
  Postman
  Supertest

Performance Testing
  Gatling
  JMeter

Continuous Integration
  GitHub (incl. Actions)
  GitLab (incl. Pipelines)
  CircleCI
  Jenkins

Development
  Docker
  OpenAPI
  Pact
  TestRail
  Ansible
  Sonarcloud

REFERENCES

Curtis Matthews
  QA Manager, RepeatMD
  QA Manager, Stoplight.io
  Phone by request

Daniel Lafuente
  Technical Leader, Kapsch
  Phone by request