DEEPAK SHARMA

Lead QA Automation Architect | SDET | CI/CD Quality Engineering

San Francisco, CA (Remote Available) | deepak@antigravity.local | linkedin.com/in/deepak-sharma-qa | github.com/deepak-sharma-qa

PROFESSIONAL SUMMARY

High-impact Lead QA Automation Architect with 6+ years of expertise designing enterprise-grade automated testing frameworks, distributed performance benchmarking, and automated quality gates in cloud-native CI/CD pipelines. Proven track record of cutting regression execution cycles from 4 days to 45 minutes, scaling automated test coverage to 94.8%, and maintaining zero P0 defect esc

TECHNICAL SKILLS & TOOLING

Test Automation: Playwright, Cypress, Selenium WebDriver, Appium, Cucumber BDD, Robot Framework
API & Contract Testing: Postman/Newman, REST Assured, GraphQL Testing, Pact, WireMock, OpenAPI/Swagger
Performance & Scale: k6, Apache JMeter, Locust, Prometheus, Grafana, Distributed Load Injections (10k+ VUs)
DevOps & Tooling: GitHub Actions, Jenkins, Docker, Kubernetes, AWS Device Farm, SonarQube Quality Gates, Git
Languages & DBs: TypeScript, JavaScript, Python, Java, SQL, PostgreSQL, MongoDB, Bash/Shell scripting

PROFESSIONAL EXPERIENCE

Lead QA Automation Architect TechGlobal Solutions | San Francisco, CA **2021 - Present**

* Architected end-to-end Playwright & Cypress CI/CD test automation framework across 8 core microservices.
* Slashed regression cycle time by 78% (from 4 days down to 45 minutes) via intelligent parallel grid sharding.
* Governed automated quality gates across 220+ REST & GraphQL endpoints, boosting test coverage from 52% to 94.8%.
* Maintained 0 P0 defect escapes across 36 consecutive production releases, protecting over $180,000 in potential SLA downtime.
* Mentored 12 QA engineers and established strict code-review standards for automated test infrastructure.

Senior SDET / QA Automation Engineer Innovate Inc. | Austin, TX **2019 - 2021**

* Engineered distributed Newman & REST Assured contract testing suites validating 10M+ daily financial transactions.
* Established automated performance benchmarking via k6 and JMeter under 10k concurrent virtual users (P95 < 350ms).
* Integrated automated SonarQube security vulnerability and dependency scanners into continuous delivery pipelines.
* Reduced post-release defect reports by 62% and accelerated bi-weekly sprint deployment velocity by 3.2x.

QA Automation Engineer StartUp Hub | Remote **2018 - 2019**

* Pioneered end-to-end Selenium WebDriver & Java parallel test grid covering 14 cross-browser matrix combinations.
* Authored 450+ automated smoke & regression test suites integrated into Jenkins nightly scheduled pipelines.
* Replaced legacy manual regression protocols, saving the engineering organization 35+ engineering hours per release sprint.

KEY QA ARCHITECTURE PROJECTS

Aegis Core QA Engine: Distributed multi-cloud test execution orchestrator processing 5,000+ tests across parallel Dockerized workers.
Vanguard Chaos Injection: Automated network jitter, packet drop, and kill-9 container resilience test suite for microservice mesh architectures
Specter Visual Diff Engine: Sub-pixel anti-aliased UI regression framework with automated baseline snapshots and Slack triage alerts.

EDUCATION & CERTIFICATIONS

B.S. in Computer Science University of Technology | Graduated with Honors

* Certifications: AWS Certified Developer Associate | ISTQB Certified Tester Advanced Level (CTAL-TAE) | CKAD Kubernetes