AKSHAY MALDHURE

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Lead Test Engineer with expertise in software testing, automation, and DevTestOps, enabling teams to deliver faster and higher-quality releases. Strong collaborator and mentor, championing best practices and innovation to boost developer efficiency and long-term scalability and maintainability. Experienced in integrating Generative AI models (OpenAI, Claude) and Agentic AI tools (Cursor, Copilot) into testing processes.

Experience

Gojek, Singapore – Lead SDET

February 2021 – Present

- Led and mentored a team of 3 SDETs, establishing testing standards, code review practices, and Continuous Integration/Continuous Delivery (CI/CD) ownership - achieving 95-100% test automation coverage for critical backend services.
- Architected and scaled CI pipelines across multiple teams (Pricing, Platform, Cartography, GoFood, Driver Incentives) - reducing test and release cycles from 5 days to under 20 minutes.
- Designed multiple parallelized functional test suites with 600+ backend and UI tests executing in under 15 minutes, packaged as reusable JAR artifacts - cutting deployment time by 30 minutes per release.
- Enhanced CI efficiency by implementing Git hooks for linting, static analysis, and unit testing - saving up to 10 minutes per service change; migrated 100+ legacy integration tests to a unified testing framework, reducing maintenance overhead.
- Improved developer productivity and service reliability by developing tools for traffic shadowing and database migration validation, integrating ReportPortal with detailed step-level logging, enabling debugging parameters, and setting up Slack alerts.

Circles.Life, Singapore – Senior SDET

December 2019 – February 2021

- Led automated testing across Circles.Life's BSS Middleware and Android app, and developed a Node.js API using diameter-client to simulate call data records - cutting testing time by up to 50% and streamlining weekly releases.
- Led the initiatives for TDD adoption for six teams and 40+ microservices, and automated release deployments and communications - boosting developer efficiency and saving up to 8 hours of manual effort weekly.

Thoughtworks, Pune, India – Senior Software Consultant (Quality Analyst)

November 2018 – November 2019

- Developed a data integrity validation system and integrated automated test pipelines across multiple data layers including Microsoft SQL Server, Event Store, Elasticsearch, and MongoDB for an event-driven alternative assets platform - reducing data discrepancies in end-to-end testing cycles by 40%.
- Designed and executed a load testing suite with the monitoring and profiling of backend services for a major Indian bank - identifying 3 critical performance bottlenecks in the user sign-in and loan application processing flow, thereby improving the user experience across the end-to-end loan application flow.

AgroStar, Pune, India – Lead SDET

December 2016 – November 2018

- Introduced test engineering standards and practices including bug triaging, test planning, and automation - reducing over 60 hours of manual effort per week and enabling the team to catch 10+ critical issues annually.
- Improved app performance and operational efficiency by developing a load test suite that reduced page load times by up to 40%, and developed reporting utilities that cut manual lead collection time by 80% while supporting data-driven decision-making.

NVIDIA, Pune, India – Software QA Engineer

October 2010 – December 2016

- Worked on end-to-end multimedia and GameStream testing for Android, Linux, ChromeOS, and Windows operating systems. Managed change list tracking for daily software releases. Caught 15+ critical bugs over 2 years of rigorous testing.
- Gained practical test automation experience working on OTA Update and GameStream automation - reducing manual testing time of critical application flows by more than 30%.

Skills & Core Competencies

- Test Engineering & Leadership: Expertise in QA strategy, QA automation (backend, UI [mobile, web]), test framework development, and DevTestOps practices (CI/CD/CT). Experienced in technical leadership, mentoring, cross-functional collaboration, and technical hiring.
- Technologies & Tools: Proficient in Java, Python, TypeScript, JavaScript, and Shell scripting. Hands-on with tools and frameworks like REST-assured, Playwright (with MCP), Selenium WebDriver, Appium, TestNG, Cucumber, behave (BDD), lemoncheesecake, Chai.js, Mocha.js, JMeter, Gatling, k6, Locust, Maven, Gradle, virtualenv, NPM, and ReportPortal.
- Infrastructure & Systems: Skilled in Docker, Kubernetes, GitLab, Jenkins, TeamCity, GoCD, CircleCI, Git, observability and monitoring using Prometheus and Grafana, and working with databases and messaging systems such as MySQL, MongoDB, Elasticsearch, Redis, and Kafka.