KAUSHIK G

Software Development Engineer in Test (SDET)

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PROFESSIONAL SUMMARY

Software Development Engineer in Test (SDET) with 4+ years of experience in test automation, scalable automation framework development, CI/CD pipeline integration, and distributed test execution infrastructure.

Expertise in Playwright, Cypress, API automation, and cloud-based testing using AWS. Proven track record of building high-reliability automation platforms supporting 100+ parallel executions, reducing regression cycle times and improving release confidence in agile environments.

TECHNICAL SKILLS

Test Automation	Playwright, Cypress, Mocha, Page Object Model, Test Framework Architecture
Programming	JavaScript, Python
API Testing	REST Assured, Postman
CI/CD & DevOps	Jenkins, GitHub Actions, Docker, Kubernetes
Cloud Platforms	AWS, Azure, Cloudflare
Databases	MySQL, MongoDB, DynamoDB
Observability	AWS Athena, CloudWatch, Airbrake
Methodologies	Agile Testing, TDD, BDD, Shift-Left Testing

PROFESSIONAL EXPERIENCE

Freightify

Software Development Engineer in Test (SDET) | May 2025 – Present | Chennai, India

- Designed and implemented CI/CD automation pipelines, reducing deployment time by 60% and increasing automated test execution frequency.
- Developed AI-powered test automation agents to optimize test generation and maintenance, reducing manual testing effort by 40%.
- Integrated automation testing into CI/CD pipelines enabling continuous validation across staging and production environments.

Automation Test Engineer | Aug 2022 – Apr 2025 | Chennai, India

- Built a distributed automation execution platform using containerized infrastructure enabling 100+ parallel Playwright test executions with auto-scaling, reducing regression testing time by 70%.
- Authored and maintained end-to-end UI and API automation test suites improving overall automation coverage across critical product flows.
- Improved test reliability by implementing robust test design patterns, reducing false positives by 30% and maintaining 95% test suite stability.
- Implemented accessibility and security testing automation, improving product compliance and quality assurance processes.

Automation Architecture Experience

- Designed scalable Playwright automation framework using modular architecture and Page Object Model.
- Implemented parallel test execution infrastructure supporting high concurrency for faster regression cycles.
- Integrated automated testing pipelines into CI/CD workflows for continuous quality validation.
- Built containerized test environments using Docker to support distributed automation execution.

CERTIFICATIONS

AI Fundamentals
Issued: March 18, 2026 • Exam Provider: IBM

ISTQB Certified Tester – Foundation Level (CTFL)
Issued: March 7, 2026 • Exam Provider: Pearson VUE

CargoWise Certified Operator - Forwarding
Issued: January 26, 2026 • Exam Provider: Wisetech Academy

PROJECTS

Cyber-bullying Detection System
Machine Learning Project • Python & Deep Learning
Developed a machine learning-based system to detect cyber-bullying on social media platforms using Python and deep learning models.

- Achieved 92% detection accuracy on large-scale datasets.
- Built scalable data processing pipeline handling 1M+ social media posts using MongoDB.

ACHIEVEMENTS

- Led test automation initiatives resulting in 80% reduction in regression testing time across multiple product teams.
- Contributor to open source automation frameworks and testing tools supporting community-driven QA innovation.
- Participated in 9 World Cube Association competitions, demonstrating strong analytical and problem-solving abilities.

EDUCATION

Master of Computer Applications (MCA)
Coimbatore Institute of Technology • 2020 – 2022 • CGPA: 7.18

Bachelor of Computer Applications (BCA)
B.S. Abdur Rahman Crescent Institute • 2017 – 2020 • CGPA: 8.08

ADDITIONAL INFORMATION

Availability: Immediate (30-day notice period)
Professional Interests: AI Automation tester, scalable automation platforms, cloud-native testing infrastructure.