Sumit Kushvaha

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EXPERIENCE

SDET / QA Engineer   **Aug 2025 - Present**
Litpix Studio

- Execute comprehensive test strategies including **functional, regression, smoke, and end-to-end testing**.
- Develop and execute **automated test suites using Playwright** (TypeScript/JavaScript) to reduce manual testing effort and improve release reliability.
- Integrate automated test execution into **Jenkins pipelines**, enabling continuous testing on every code change.
- Analyze test execution reports and failures to improve overall application stability, achieving **80% improvement in project stability**.
- Perform exploratory and edge-case **manual testing** where automation is not suitable. Identify, log, and track defects using **Jira**, collaborating closely with developers until resolution.

Intern   **Nov 2024 - Jan 2025**
Vox Pulse AI

- Worked on responsive UI development and collaborated with QA to test **cross browser issues**.
- Optimized performance, reducing load time by **30% through modern frameworks** and lazy loading techniques.
- Performed manual **smoke and regression testing** post-deployments.
- Validated frontend-backend data flow using Cross-browser testing and **API validation**.
- Reported and tracked issues using GitHub Issues, contributing to improved release quality.

SKILLS

Testing & Automation: Playwright, Postman, JMeter, Chrome DevTools
CI/CD & DevOps: Jenkins, Docker, Docker Compose, AWS Cloud, Linux, GitHub Webhooks
Testing Concepts: SDLC, STLC, Bug Life Cycle, Test Plan Design, Functional Testing, Regression Testing
Programming: JavaScript, Python, SQL
Developer Tools: Git, GitHub Copilot, Cursor AI, Notion, Jira

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PROJECTS

Playwright CI/CD Automation with Jenkins & Docker   **Github**

- Implemented a production-grade **CI/CD pipeline** to execute Playwright automation tests on every GitHub push.
- Containerized test execution using **Docker** to ensure clean, consistent environments across runs.
- Integrated **Allure reporting**, ensuring reports are generated and published even on test failures.
- Deployed and maintained the pipeline on **AWS EC2 with EBS**, resolving disk space and Docker permission issues.
- Improving validating predictions, **handling edge cases**, and ensuring reliable deployment through automated checks..
- Enhance long-term test reliability by **stabilizing test execution** and CI feedback mechanisms.

Bllege – Anonymous Social Platform for College Students   **Github**

- Built and tested a full-stack application enabling anonymous student interaction across college-specific channels.
- Wrote detailed **manual test cases** for authentication, anonymous posting, messaging, and form validations.
- Validated backend **APIs using Postman** for response accuracy, status codes, and error handling.
- Automated critical user flows using Playwright and generated execution **reports with Allure**.
- Strengthened CI/CD deployment using Jenkins, Docker, and **Docker Compose on AWS EC2**.
- Performed **end-to-end regression testing** before production releases, UAT is done on that .

Digit Analyzer – Python / ML Project   **Github**

- Designed **functional and negative test** scenarios to validate model inputs, outputs, and edge cases
- Dockerized the application to ensure consistent test environments across **local, CI, and production setups**.
- Validated container startup, health checks, and environment-specific configurations as part of **pre-deployment testing**.
- Designed a CI/CD workflow using Jenkins and **GitHub Webhooks** to automate build and test steps.
- Refactored application components making the system easier to **validate, debug, and automate tests** against.

EDUCATION
                                                                                      Aug 2022 - June 2025
NPSEI , Pithoragarh (Uttarakhand Technical University)   CGPA: 7.0
Bachelor of Technology in Computer Science & Engineering