Pratyush Kumar

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Summary

QA Engineer with 3+ years owning feature quality end to end: test strategy and planning, manual and automated E2E testing, and UI/API automation with Playwright, Selenium, Java, and Python. Built a test automation framework from scratch and cut regression cycles in CI/CD pipelines supporting daily production releases.

Technical Skills

QA & Testing: Test strategy & plans, test case design, manual & automated, functional, regression, E2E, API, RCA
UI Automation & Tools: Playwright, Selenium, Rest Assured, JUnit, TestNG, Pytest, Postman, k6, Grafana, Jira
Languages: Python, Java, TypeScript, JavaScript, SQL, C#, C++
Cloud & CI/CD: AWS (Certified Cloud Practitioner), Docker, Kubernetes, Jenkins, GitHub Actions

Experience

Lendbuzz Boston, MA
Software Engineer in Test (Co-op) *Jan. 2026 – May 2026*

- Defined test requirements from user stories and acceptance criteria with Product and Engineering; designed API/UI test plans and **∼50 test cases** for high-traffic payment flows, tracking defects to resolution
- Cut a **3-hour regression suite to under 2 hours** by integrating API-level validation into Playwright (TypeScript) E2E flows, running in CI/CD pipelines that support daily production releases
- Rebuilt email-verification tests on an external REST API, expanding **coverage 50%**, saving **1+ hour per run**
- Fixed flaky time-dependent tests, cutting false failures in daily CI runs from **∼45 to ∼5 per week**
- Ran k6 performance/load tests tracking latency, throughput, and error rate in Grafana dashboards
- Used AI tools (LLM test generation, AI-enabled IDEs) to generate tests, build self-healing tests, find dead code

Transperfect New York, NY
QA Automation Engineer *Sep. 2022 – Jun. 2025*

- Defined test strategy for multi-component releases and authored **200+ test cases**, cutting UI test runtime by **2+ hrs**
- Executed manual and automated functional, integration, and E2E tests across concurrent projects, filing reproducible defect reports and resolving critical bugs with developers before release
- Co-built a UI/API test automation framework from scratch for a top-revenue product (Playwright, Rest Assured, Java) with page objects, test data, and CI execution, replacing **∼3 hrs of manual regression** per release
- Built reusable Rest Assured API clients with shared auth, request specs, and JSON schema validation

Ansys Canonsburg, PA
Software Engineering Co-op, Design Business Unit *Jan. 2021 – Dec. 2021*

- Wrote unit and regression tests for Ansys Discovery (3D simulation software), validating code migrations
- Triaged test failures with documented root-cause analysis, accelerating defect resolution with developers

Projects

Automation Framework with AI Integration | *Playwright, TypeScript, Docker, GitHub Actions*

- Built a layered framework for an e-commerce app: UI, API, mobile, contract, performance, security, LLM-eval suites
- Dockerized the app under test for full CI runs, gated by tsc and type-aware ESLint to catch false-green tests

Multi-Agent LLM Debate System & Evaluation Harness | *Python, Claude/GPT APIs, SSE*

- Built a multi-agent LLM debate pipeline with LLM-as-judge verdicts; benchmarked agents, rounds, and models

Education

Texas A&M University College Station, TX
Master of Science in Computer Science *Aug. 2025 – May 2027*

Texas Tech University Lubbock, TX
Bachelor of Science in Computer Science, Minor in Mathematics; GPA: 3.82 *May 2022*

Awards

- Winner, TransPerfect Global Hackathon, Barcelona (2024), 15 countries
- President's List, Texas Tech University