

Shahid Parvez

+91-6289883556 · devcraft.shahid@gmail.com · linkedin.com/in/shahid-parvez

TECHNICAL SKILLS

Automation: Playwright (TypeScript/Java) · Selenium WebDriver · TestNG · REST Assured · Postman · Appium
Testing Types: Manual · Functional · Regression · Smoke · Sanity · API · UI · Mobile · Performance & Load (k6 · JMeter)
Protocols: REST · gRPC · WebSocket · HTTP
Methodologies: SDLC · STLC · Test case & scenario design · Requirement reviews · Defect lifecycle (Jira) · Agile / Scrum
Databases: MySQL · PostgreSQL · Data validation · Schema testing
CI/CD & Tools: Git · GitHub · Bitbucket · Jenkins · Docker · Kubernetes · New Relic · AWS (EC2, Lambda) · Linux/Unix CLI
Languages: Java · JavaScript · TypeScript · SQL · Node.js · Express.js

WORK EXPERIENCE

SDET Oct 2025 – Present
BestQ Software Pvt. Ltd. · Remote, Kolkata

- Built and executed distributed load and performance tests on Kubernetes (k6) that fire simultaneous spike traffic at high concurrency from multiple client pods, measuring server-side latency, throughput, and SLA compliance under load.
- Benchmarked and compared backend API runtimes on identical infrastructure to surface server-side performance differences, and established capacity baselines and degradation points by correlating client-side load metrics with server-side monitoring.
- Reduced UI regression cycle time by ~30% by building and maintaining a Playwright (TypeScript) automation framework that replaced repetitive manual test cases.
- Strengthened API reliability by automating REST request/response, status-code, header, and authentication validations with REST Assured and Postman across microservices.
- Supported stable continuous testing by integrating automated suites into Jenkins CI/CD pipelines with Docker-containerised execution and Git version control.

SDET Intern Oct 2024 – Apr 2025
GoSky Tech Softwares Pvt. Ltd. · Onsite, Kolkata · Part-time alongside final-year studies

- Increased REST API test coverage by ~35% by executing functional and edge-case scenarios with REST Assured and Postman across microservices.
- Reduced manual regression effort by ~40% by automating regression scripts and integrating them into Jenkins pipelines under Git version control.
- Designed and executed manual functional, regression, smoke, and sanity test cases from product requirements, and logged, tracked, and verified defects in Jira.

PROJECTS

Multi-Protocol Performance Testing Framework — *k6 · TypeScript · gRPC · WebSocket · REST · Node.js*

- Built a protocol-agnostic k6 + TypeScript framework that load-tests REST, gRPC, and WebSocket APIs side by side from a single tool, with sequential, concurrent, ramping, and simultaneous-barrier spike profiles, runnable as distributed k6 runners.
- Engineered cross-protocol data-consistency assertions — place an order over REST, verify it over gRPC, watch it over WebSocket — against a shared in-memory mock server, enforced via k6 thresholds so the suite fails CI on any inconsistency or non-zero error rate.
- Implemented distribution-based per-protocol Apdex, custom latency metrics, and trace-id failure logging, and automated a single-file, self-contained HTML report generated from each run's JSON summary for easy sharing.

BugSnap — One-Click Bug Capture & AI-Written Tickets — *Chrome MV3 · Node · Express · TypeScript · PostgreSQL · Prisma · React · Vitest*

- Built a full-stack bug-reporting platform (Chrome MV3 extension, Node/Express/TypeScript API, React dashboard) that captures console errors, failed network calls, environment info, and a screenshot in one click and files a labeled, severity-rated GitHub issue.
- Wrote 17 backend tests in Vitest, including an HTTP end-to-end capture flow and RBAC denial cases, and enforced privacy-first capture with AES-256-GCM token encryption and SHA-256-hashed API keys.

INITIATIVE & OWNERSHIP

- Drove the adoption of distributed, containerised load testing on Kubernetes, and independently diagnosed and resolved an environment issue that was skewing spike results — making performance runs reproducible and reliable.
- Coordinated with developers to triage, track, and verify bug fixes in Jira, and contributed to coverage across UI, API, and performance layers — supporting more confident releases and fewer escaped defects.

EDUCATION

B.Tech in Electronics & Communication Engineering May 2022 – June 2025
Dr. Sudhir Chandra Sur Degree Engineering College, MAKAUT · Kolkata