



GAGAN PANDEY

Senior SDET / Senior QA Engineer

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PROFILE

Dedicated Team Leader with five years of experience as a Software Development Engineer in Test (SDET) and QA Engineer, specializing in AI tool testing within the U.S. healthcare sector. Known for driving quality assurance initiatives and fostering collaboration, I excel in problem-solving and implementing effective testing strategies to enhance product reliability.

PROFESSIONAL EXPERIENCE

SDET

Jul 2021 - Present

Higi (as a part of DeerHold), Kathmandu, Nepal

- Spearheaded the development of automated test frameworks, reducing manual testing efforts by 50% and enhancing overall software quality through expert use of Java and Selenium.
- Implemented CI/CD pipelines that accelerated deployment speed by 30%, streamlining the testing process and improving team productivity.
- Developed comprehensive test plans that increased test coverage by 40%, ensuring thorough validation of software functionality and performance.
- Proactively identified and resolved critical bugs during early development phases, contributing to a 20% reduction in overall development costs.
- Mentored team members on best automation practices, significantly improving the team's skill set and enhancing testing effectiveness.
- Optimized testing processes by migrating from Selenium to Playwright, resulting in improved performance and increased testing efficiency.
- Collaborated with cross-functional teams to troubleshoot system issues, fostering effective communication and driving timely solutions.
- Actively participated in Agile ceremonies, aligning testing activities with project goals and enhancing team collaboration through daily stand-ups and sprint planning.

SDET

Feb 2024 - Present

ModivCare, VRI (as a part of DeerHold), Kathmandu, Nepal

- Spearheaded the development of a unified test framework, improving automation efficiency by 40% across API, web, and Windows application tests.
- Designed and implemented robust API test suites using REST Assured and Postman, achieving a 30% increase in endpoint validation accuracy.
- Developed a pioneering Windows application test automation framework, reducing manual testing time by 50% through WinAppDriver and Appium integration.
- Mentored and coached 10 team members on automated testing best practices, resulting in a 25% improvement in overall testing productivity.
- Successfully integrated CI/CD pipelines, boosting deployment speed by 35% while enhancing reliability and reducing software delivery risks.
- Collaborated with cross-functional teams to refine software testing strategies, decreasing project delivery timelines by 20% and ensuring product excellence.
- Researched and evaluated cutting-edge testing tools, facilitating the adoption of innovative technologies that kept the team ahead of industry standards.

- Led cross-functional efforts in executing software testing initiatives, contributing to a 15% reduction in defect rates during product rollouts.
- Partnered with R&D and Support teams to identify and resolve system issues, increasing defect resolution efficiency by 30%.

Associate Software Engineer

Mar 2020 - Jul 2021

Deerhold Nepal Pvt. Ltd, Kathmandu, Nepal

- Spearheaded the development of the JSIE platform, enhancing student mental health support, resulting in a 30% increase in user engagement.
- Engineered backend services using Spring Boot and Groovy, optimizing data retrieval from MongoDB, which improved application performance by 25%.
- Designed and implemented high-performance RESTful APIs, enabling seamless integration with Vue.js components, and reducing response time by 40%.
- Developed user-friendly interfaces with Vue.js, enhancing user interaction metrics by 20% and receiving positive feedback from students and educators.
- Actively participated in Agile methodologies, contributing to a 15% improvement in sprint delivery times through effective collaboration during meetings.
- Monitored system performance post-launch, identifying and resolving issues promptly, which maintained 99% uptime across the platform.
- Created detailed documentation of software development processes, improving onboarding efficiency for new team members by 50%.
- Conducted code reviews to uphold best practices, resulting in a 30% reduction in bugs during the initial launch phase of the project.
- Engaged with clients to gather software requirements, ensuring customized solutions that met specific needs and increased client satisfaction ratings by 25%.
- Led knowledge-sharing sessions, fostering a collaborative environment that enhanced team skill sets and contributed to a 15% increase in project efficiency.
- Applied critical problem-solving skills to address complex challenges, achieving a 20% reduction in development time for key features.

EDUCATION

Computer Science And Information Technology

2017 - 2021

Himalaya College of Engineering, Lalitpur, Kathmandu

Science

2017

Trinity International College, Nepal, Kathmandu

SKILLS

Programming Languages • Java, Kotlin, Groovy • JavaScript, TypeScript • Python

Test Automation Frameworks/Tools • Selenium WebDriver / Selenide • Playwright • Cypress • Appium • REST

Assured • Postman • JUnit • TestNG • WinAppDriver

Databases • MongoDB • MySQL, Postgres, MSSQL • Apache Iceberg

Backend technologies • Spring / Spring Boot • Grails

Frontend technologies • Vue.js

CI/CD • Azure Devops • Github Actions • Gitlab Actions

WEBSITES & SOCIAL LINKS

GitHub

LANGUAGES

Hindi

English

Nepali