

LAV THAIBA

Sr. Software Quality Engineer | Test Automation Expert

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Driving engineering excellence through meticulous software quality architecture. I build robust testing pipelines and AI-powered automation, ensuring software reliability at scale—backed by elite security validations. I maximize engineering throughput and accelerate QA lifecycles by shifting testing left. As an example, I recently decreased 5 days of regression time using a blend of robust functional test suites and custom-built vulnerability tools.

CORE COMPETENCIES

QA Architecture & Strategy

End-to-End Test Planning, Performance Engineering, API Testing, CI/CD

Automation Frameworks

Selenium, Playwright, Java, TestNG, Custom AI Automation

Security & Pen Testing

OWASP ZAP, Burp Suite, Brute Force Testing, Vulnerability Mapping

Automated QA Arsenal

Enterprise Regression Frameworks, Rapid CVE Validator, Vuln Scanning Matrix

PROFESSIONAL EXPERIENCE

Senior Software Quality Engineer

Jan 2025 - Present

ITONICS - The Innovation OS | Kathmandu

- Owning quality assurance strategies for critical web and API products, enforcing strict performance and usability standards.
- Engineered comprehensive test automation pipelines to accelerate defect detection rates using AI-driven methodologies.
- Architected and executed deep penetration tests utilizing Burp Suite, OWASP ZAP, and feroxbuster as advanced security add-ons to traditional QA.
- Developed cohesive vuln-scanning pipelines combining Katana, Httpx, and Ffuf to crawl complex threat surfaces.

Software QA Instructor

2023 - Present

Skillshikshya | Kathmandu

- Designing curriculums and mentoring the next generation in QA across functional automation (Selenium, Playwright).
- Teaching API infrastructures and high-performance testing methodologies.

Founder / QA Department HOD

2021 - 2023

C.A.B.T.M Nepal Pvt. Ltd. | Kathmandu

- Spearheaded the QA architecture and release workflows for an on-demand ride-hailing app ecosystem.
- Ensured zero-downtime regression lifecycles and highly reliable geolocation tracking across Nepal.

CEO / QA Lead

2019 - 2021

Yeslab Design Studio Pvt. Ltd.

- Managed custom web deployments, ensuring agency-level quality control, rapid client onboarding, and agile project delivery constraints.

Software Test Engineer

2016 - 2019

ITONICS Nepal Pvt. Ltd.

- Automated functional checks and set up dynamic vulnerability pipelines using Acunetix and NetSparker.

Associate QA Engineer

2014 - 2016

Braindigit IT Solutions & Deerwalk Inc (Cedar Gate)

- Executed core regression paths, drafted initial Selenium test beds, and managed bug states.
- Acquired extensive expertise in rigorous Healthcare SaaS application testing workflows.

EDUCATION & CERTIFICATIONS

Bachelor of Computer Applications (Distinction)

Graduated: 2014

Crimson College of Technology (Pokhara University)

Professional Certifications

- **Web Security Testing:** Bug Bounty Hunting From Scratch (Udemy)
- **Microsoft Azure:** Security in Azure Cloud (Identity Frameworks & Mitigation)
- **Cyber Security Program:** Remote Practical Internship (Threat hunting & OWASP)