Arbin Shrestha

Kathmandu, Nepal | 9843620348 | orbeenshr@gmail.com | **Linkedin URL**

INTRO

Dynamic QA Engineer with over 3 years of expertise in manual and automated testing, specializing in deep software analysis, seamless integration of testing processes into CI/CD pipelines, and driving the delivery of high-quality, reliable software. Skilled in leveraging industry-leading tools such as Selenium**,** Cypress, SonarQube, and JMeter to enhance product performance, maintain robust code quality, and streamline testing workflows. A collaborative team player with a proven track record of mentoring junior engineers, fostering cross-functional alignment, and accelerating time-to-market.

WORK EXPERIENCE

TAI Inc.   **Shantinagar, Kathmandu, Nepal**
Software Engineer (Quality Assurance)   *Jun 2021 - Present*

- Demonstrated versatility as a web developer, successfully delivering diverse projects tailored to unique client requirements while adapting to evolving technological needs.
- Seamlessly transitioned into QA and QC roles, leveraging a natural aptitude for quality assurance to fill organizational gaps and establish testing as a key strength.
- Collaborated with cross-functional teams to ensure the timely delivery of high-quality products by implementing meticulous inspection processes, driving process improvements, and elevating overall quality management standards.
- Integrated Cypress-based testing processes into CI/CD pipelines, automating deployments and ensuring smooth, reliable workflows aligned with Agile methodologies.
- Integrated SonarQube for code quality assurance, identifying and mitigating critical vulnerabilities by 40% while enforcing coding standards to maintain consistent delivery of high-quality software.
- Orchestrated large-scale user acceptance testing, coordinating 100+ users to assess a client-based system, and analyzing performance metrics such as response time, CPU usage, latency, and error rates for actionable insights.
- Led performance, load, and stress testing initiatives using JMeter, uncovering bottlenecks and providing data-driven recommendations, resulting in a significant improvement in system performance and enhanced user experiences.
- Spearheaded QA initiatives, leading junior QA engineers in designing and executing comprehensive quality assurance strategies, including test planning, case design, defect tracking, and automated regression testing.
- Mentored and developed junior QA engineers, enhancing team productivity through structured training sessions, peer reviews, and the implementation of best practices.

Varmine Tech   **Baluwatar, Kathmandu, Nepal**
Jr. Software Developer   *Sep 2020 - Jan 2021*

- Designed, developed, and tested RESTful APIs using Django and MySQL, improving performance through query optimization and efficient coding practices.
- Collaborated with cross-functional teams to implement robust backend features, resolve database bottlenecks, and ensure seamless integration with front-end systems.

Technorio   **Shankhamool, Kathmandu, Nepal**
Web Developer Intern   *Oct 2019 - Mar 2020*

- Created CRUD applications using PHP Laravel, streamlining operations and ensuring robust functionality for client systems.
- Integrated online payment gateways for secure and seamless payment processing.
- Developed a bulk SMS system using Firebase Cloud Messaging, enabling scalable notifications for large user bases.

PROJECT EXPERIENCE

Khwopa Engineering College   **Libali, Bhaktapur, Nepal**

Tetris Game

- Developed a classic Tetris game using C++, showcasing proficiency in object-oriented programming (OOP) concepts.
- Applied fundamental OOP principles such as encapsulation and inheritance to build reusable and maintainable code.

E-Commerce App

- Designed and built a feature-rich e-commerce application for a bakery using core PHP, delivering seamless user experience with:
  - A dynamic product gallery to showcase a large inventory.
  - Fully functional cart and checkout systems for smooth transactions.
  - Integrated Stripe API for secure and reliable payment processing.

Messaging App

- Developed an Android-based messaging application using Android Studio, enabling real-time communication with:
  - Live chat functionality for instant messaging.
  - User profile creation to personalize experiences.
  - Database connectivity powered by Firebase Cloud Messaging (FCM) for efficient data management and notifications.

EDUCATION

Khwopa Engineering College   **Libali, Bhaktapur, Nepal**
Bachelors Degree in Computer Engineering   *Graduation Date: Sep 2025*

SKILLS

Software Testing: Manual Testing, Automated Testing, Selenium, Cypress, Unit Testing, Integration Testing, System Testing, Load Testing, Regression Testing, Smoke Testing, Test Strategy Design, Defect Management, Test Planning

Programming Languages: PHP, JS, Python

Tools: Selenium, Cypress Blazemeter/J-meter, Postman, Jira, Confluence, Jest, PHPUnit

Others: LINUX, docker, AWS, Google API, Ngrok, Sonarqube, Sentry, LINE

HOBBIES

Ultra Running, Hiking/Trekking, Climbing, Reading, Swimming, Cycling, Adventuring