Rayush Shrestha

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Objective:

Passionate software quality assurance engineer with a solid background in web application, database, and API testing, as well as automation and manual testing. Adept at ensuring software quality with Selenium WebDriver, TestNG, Postman, Database, and Apache JMeter. Knowledgeable about Agile methodologies with a strong foundation in SDLC and STLC. Dedicated to producing high-quality software through thorough testing and continuous improvement.

Education

Kathmandu Engineering College, Bachelor in Computer Engineering   2075 – 2080
- Percentage: 74.53 (Kathmandu Engineering College)

Kathmandu Model College, Science Stream   2073 – 2074
- GPA: 3.43 (Kathmandu Model College)

Prithwi Secondary Boarding School   2072 Batch
- GPA: 3.70 (Prithwi Secondary Boarding School)

Experience

Quality Assurance Training at Deerwalk Training Center   [23 Jan 2024 – 20 Feb 2024]
- Learned Java for automation scripting, data handling, and testing tool integration.
- Worked with TestNG to organize test cases and generate structured reports.
- Performed API testing with Postman and automated API workflows.
- Used Cucumber for BDD, writing Gherkin-based test scenarios.
- Strengthened automation testing through real-world test cases and practical exercises.

Quality Assurance Engineer at Everestwalk Groups   [Present]
- Collaborated with cross-functional Agile teams to improve project efficiency and quality.
- Created and maintained comprehensive test plans and strategies for multiple projects.
- Defined testing objectives, timelines, and risk management procedures for consistency.
- Conducted manual testing and tracked bugs for timely resolution.
- Performed API testing using Postman and Swagger, and performance testing using JMeter.
- Enhanced communication and teamwork across development and project teams.

Technical Skills

Languages: Java, SQL, Dart, C++, C, JavaScript

Manual Testing: Web Application Testing, Database Testing, API Testing

Tools & Frameworks: Selenium WebDriver, TestNG, Postman, Apache JMeter, Confluence, Jira

Automation Architecture: Page Object Model (POM)

Reporting Tools: TestNG Reporter Log

Performance & API Testing Tools: Apache JMeter, Postman, Swagger

SDLC Models: Agile/Scrum, Spiral, Prototype

Testing Types: Smoke, Integration, Functional, Regression, White Box, Black Box

Tools & IDEs: IntelliJ IDEA, VS Code, Android Studio, Eclipse

Dependencies: XML-path

Soft Skills: Teamwork, Effective Communication, High Adaptability

Projects

- **CryptPhoto:** Android app developed using Java that encrypts user data, embeds it in images, and allows secure data transfer and decryption.

- **Nepali Sign Language System:** Machine learning project using MediaPipe Hand Landmark Model and ANN for real-time recognition of Nepali sign language fingerspelling.

- **Castin.io:** Castin.io a social media platform designed for artists, creators, and talent seekers. It allows users to post photos and videos, chat in real-time, like and comment on content, and participate in auditions and contests.This platform fosters creative engagement and professional networking within the entertainment industry.

- **IdeaBaazDangal:** Ideabaaz Dangal is a startup support program that provides funding (INR 5,000 to INR 50 lakh), expert mentorship, and hands-on guidance to help entrepreneurs turn their ideas into real businesses. It supports founders at all stages—whether they're just starting out or ready to scale.

- **LifeOrdo:** A lifestyle and productivity platform designed to help individuals, families, and professionals manage tasks, habits, reminders, payments, and family coordination through a unified digital ecosystem. The system integrates productivity tools with UPI-based payments and collaborative group features.

  Responsibilities:

  - Analyzed PRD and sprint requirements to design detailed test scenarios covering tasks, habits, reminders, and UPI payment modules.
  - Performed functional, integration, and regression testing across web and mobile platforms for modules including Group Collaboration, Family Hub, and Marketplace.
  - Validated REST APIs using Postman to ensure accurate data flow between frontend, backend, and Firebase/Firestore databases.
  - Conducted UI/UX validation and cross-device compatibility testing to ensure design consistency and smooth user experience.
  - Verified UPI payment flow (Razorpay deep link integration), notification triggers, and reminder scheduling mechanisms.
  - Participated in sprint reviews, logged and tracked defects in Jira, and collaborated with developers to ensure timely fixes and release stability.
  - Supported user acceptance testing for Phase 1 (Productivity Modules) and Phase 2 (Social & Family Hub) releases.

- **MyClinicRecord: A** healthcare web and mobile platform developed to streamline medical record management for patients and enable doctors to access verified medical histories through NPI-based integration. The system ensures secure data sharing and encrypted storage.

  Responsibilities:

  - Analyzed business requirements and user stories to design comprehensive test scenarios for doctor and patient modules.
  - Performed functional, integration, and API testing of features such as NPI data retrieval, patient visit creation, and doctor-patient record sharing.
  - Conducted UI/UX validation, data integrity checks, and end-to-end workflow testing across both web and mobile interfaces.
  - Verified authentication mechanisms (OAuth and JWT) and ensured compliance with privacy and security standards.
  - Executed regression and user acceptance testing for Phase 1 (Record Management) and Phase 2 (Report Sharing) releases.

- – Logged, tracked, and verified defects using Jira and collaborated with developers to ensure timely resolution.

- **NESS GLOBAL:** A comprehensive logistics and supply chain management platform designed to automate end-to-end shipment operations, from customer onboarding through multi-stage approvals to international customs clearance and final delivery. The system manages role-based workflows for Admin, Sales, Finance, Operations, Drivers, Customers, and Brokers with real-time shipment tracking and geo-fencing capabilities.

  Responsibilities:

  - – Performed comprehensive API testing for RESTful endpoints including customer creation, credit account generation, TWB order management, and shipment tracking functionalities.
  - – Validated external API integrations with customs systems for origin bayan generation, clearance processes, and cross-border compliance automation.
  - – Conducted end-to-end testing of multi-stage approval workflows spanning Sales, Finance, Operations, and Admin portals with automated email notification validation.
  - – Tested document upload and verification systems for trade licenses, VAT certificates, commercial invoices, rate cards, and customs documentation.
  - – Executed functional testing for shipment lifecycle management including QR code generation, pickup scheduling automation, route optimization, vehicle capacity planning, and load dispatch management.
  - – Validated geo-fencing implementation, real-time GPS tracking, automated border arrival detection (ABF), and shipment status publishing across user portals.
  - – Performed security testing for role-based access control (RBAC) across seven user types and verified data integrity across warehouse scanning workflows (pickup, loading, arrival, clearance).
  - – Executed comprehensive regression testing for customer activation processes, driver portal notifications, broker clearance updates, and delivery confirmation workflows.
  - – Logged, tracked, and managed defects using Jira and collaborated with development teams to ensure timely resolution and deployment readiness.

- **Smart sync Solution:** Smart Sync Solution is a cloud-based system that automates business processes and provides real-time insights. It features inventory and warehouse management, sales order and purchase handling, finance tools, and customer lead management to boost operational efficiency and business growth.

  Responsibilities:

  - – Analyzed business and functional requirements to design test cases for inventory, sales, finance, and CRM modules.
  - – Performed functional, regression, and integration testing to ensure data accuracy and system stability across interconnected modules.
  - – Validated API integrations for real-time synchronization between warehouse, sales, and finance components.
  - – Conducted UI/UX validation across web platforms to ensure consistency, usability, and compliance with design standards.
  - – Executed end-to-end workflow testing covering order creation, purchase processing, and financial reporting.
  - – Verified data integrity and automation logic for business process triggers and real-time dashboards.

- **Information Hub Platform:** Information Hub Platform is a web-based system that enables users to register, log in, and access sector-specific data, company listings, vacancies, and data hubs. It also provides an admin portal for dynamic content management, video uploads, and communication through automated notifications.

  Responsibilities:

  - – Performed end-to-end QA testing of user and admin portals, covering registration, login, OTP verification, and dashboard navigation.
  - – Validated business requirements for modules including Sector-wise Data, Data Hub, Company Listings, Vacancies, and YouTube video uploads.

– Conducted functional and regression testing to ensure seamless content creation, updates, and archiving functionalities.
– Tested OTP authentication flow and verified email notifications for user registration, vacancy expiry, and company creation.
– Ensured system compliance with non-functional requirements such as performance, security, and scalability.
– Verified data accuracy, role-based access control, and proper display of sector and company details across dashboard sections.
– Collaborated with developers and product owners to log, track, and validate defect fixes for critical modules.
– Executed UI validation across multiple devices (desktop, tablet, mobile) to confirm layout responsiveness and accessibility.