

MUHAMMAD RAMA NURIMANI

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PROFESSIONAL SUMMARY

Informatics Engineering graduate with hands-on experience in software quality assurance, test automation, and the full QA lifecycle across web and enterprise applications. Practised in black-box testing (ECP, BVA, Decision Table), white-box testing (path testing), integration testing, unit testing, and end-to-end test automation using Selenium, Playwright, and BDD with Cucumber. Experienced in API testing with Postman and defect lifecycle management using Jira. Additional background in ERP implementation (Odoo 16/18) and full-stack web development, providing a strong technical foundation for understanding system behaviour under test. Proactive team player with strong attention to detail and a results-oriented approach to ensuring software quality.

EDUCATION

Bachelor of Applied Computer – Informatics Engineering

2022 – 2026

Politeknik Negeri Bandung · GPA: 3.29 / 4.0

Relevant coursework: Software Testing, Total Quality Management, Data Structures & Algorithms, Database Management Systems, Enterprise Software Architecture, Web Development, UI Design, Data Science.

PROFESSIONAL EXPERIENCE

Software Engineer – Odoo (Freelance)

Feb 2026 – May 2026

PT. Neural Technologies Indonesia · Jakarta, Indonesia

- Contributed to functional validation of 5 corporate web properties built on Odoo, verifying that delivered widgets and snippets met documented business requirements.
- Collaborated with Marketing, Solution Architects, and executive stakeholders to ensure acceptance criteria were clearly defined prior to development and met upon delivery.
- Produced technical documentation for custom components as implementation and verification references for internal teams.

Software Engineer – Odoo (Internship)

Jun 2025 – Oct 2025

PT. Neural Technologies Indonesia · Jakarta, Indonesia

- Contributed to testing and quality validation across ERP modules (CRM, HR, Inventory), verifying functional correctness and integration consistency of delivered customisations.
- Performed functional and integration testing on a Business Intelligence dashboard integrating 10+ Odoo modules and external data sources, ensuring data accuracy and visualisation correctness across all chart types and configurations.
- Provided post-implementation support and troubleshooting for end-users, identifying and escalating recurring issues to the development team for resolution.

Freelance Software Developer

Feb 2023 – Jul 2023

Politeknik Negeri Bandung · Bandung, Indonesia

- Validated data integrity during migration from Excel to PostgreSQL, verifying schema mapping, data completeness, and query correctness post-migration.
- Performed functional testing on an interactive media exhibition interface to ensure gesture recognition accuracy and consistent system behaviour under varied inputs.

KEY PROJECTS

Talent Management – Manual Testing — *Black Box · Unit Testing* | [Test Case](#)

- Conducted end-to-end manual testing on a talent management application from requirements and UI analysis through test suite design, execution, and reporting.
- Identified and documented 40+ defects covering functional, UI, and requirements-based scenarios, applying blackbox techniques (ECP, BVA, Decision Table) and UI heuristics to systematically derive and prioritise test cases across the full application lifecycle.

SwagLabs – Manual Testing — *Black Box · Unit Testing* | [Test Case](#)

- Designed and executed 43 manual test cases across 10 features (Login, Cart, Checkout, Reset State, etc.) for an e-commerce web app, achieving 58% pass rate and identifying 14 defects classified by severity/priority (Critical–Trivial)
- Authored detailed bug reports with reproduction steps, actual vs. expected results, and video evidence, uncovering inconsistent error messaging and incomplete state-reset logic (e.g., cart reset not propagating to product/filter state)
- Applied risk-based test analysis to flag ambiguous requirements (e.g., session/token expiry behavior on Cancel actions), recommending split test cases to cover distinct business-logic outcomes

Zaidan Educare – Automated Web Testing — *Selenium · Java · JUnit · Maven · BDD (Cucumber)* · [Test Case](#) | [Repo](#)

- Applied BDD methodology with Cucumber, writing Gherkin feature files to align test scenarios with business requirements
- Designed and implemented an end-to-end automated test suite covering 10+ critical user journeys across the Zaidan Educare web application using Selenium and Java.
- Conducted API testing with Postman — built request collections, validated response schemas, and scripted assertions to verify backend contract correctness.
- Executed black-box testing techniques (ECP, BVA, Decision Table) to derive systematic test cases from functional requirements
- Logged and tracked 4+ defects with reproducible steps, severity/priority classification, and status tracking through the full bug lifecycle to sign-off.

Calculator Study Case – Automated Unit Testing — *Path Testing · Java · JUnit · Maven* | [Test Case](#)

- Performed white-box path testing on a calculator module using Cyclomatic Complexity and Control Flow Graph analysis, deriving independent paths (V(G)) and designing test cases for Calculate, Divide, and displayMenu functions
- Uncovered logic-level defects through code-path tracing, including a missing break statement causing grade-message overlap and an incorrect variable assignment causing miscalculated output categories
- Identified a UI-logic mismatch bug where operator symbols were swapped between multiplication and division, verified via source-level path inspection rather than black-box observation

API Booking – API Testing — *Black Box · Postman* | [Test Case](#)

- Designed API test matrices using equivalence partitioning and boundary value analysis for Create/Get Booking endpoints (Restful-Booker), covering valid data, missing/invalid fields, wrong data types, and edge-case date logic
- Executed 18+ API test cases via Postman, uncovering 8 critical validation gaps in Create Booking including missing required-field checks, no type validation, and no date-logic validation (checkin > checkout accepted) and reported them with severity/priority classification
- Identified inconsistent error handling on Get Booking, where an invalid/empty ID parameter returned 404 instead of the expected 400, exposing a request-validation gap ahead of the not-found check

TECHNICAL SKILLS

Test Automation Testing Types	Selenium, Playwright, Cucumber (Behavior-Driven Development), JUnit, Cypress. Manual Testing, Black-box (ECP, BVA, Decision Table), White-box (path testing), SIT, Integration testing, Unit testing, End-to-end (E2E), Regression testing, UAT Support
API Testing	Postman (request building, environment variables, test scripting, response validation)
Bug Tracking and Documentation	Jira, Confluence, Notion
Languages	Java, JavaScript, Python, TypeScript, SQL, C.
Web / Stack	React.js, Next.js, Express.js, Vue.js, REST APIs, HTML, Webhooks, Spring Boot (Microservices)
Databases	PostgreSQL, MySQL, MongoDB, SQL.
Tools	Git, Maven, Figma, Miro; Agile / Scrum; test documentation and reporting.

LEADERSHIP & ORGANISATION

Project Officer · Tisigram Competitive Programming Competition, HIMAKOM POLBAN

Jul 2023 – Nov 2023

- Coordinated 8 divisions end-to-end: defined scope, built timeline plans, ran weekly cross-team syncs, and resolved blockers; grew participation by 106% (50 → 103 participants) and expanded event reach from Bandung Raya to West Java.

UI/UX Mentor · HIMAKOM Course, Politeknik Negeri Bandung

Jun 2024 – Aug 2024

- Conducted structured sessions for 24 participants on UX heuristics and usability; supervised SRS document creation and provided structured design feedback.

CERTIFICATIONS & AWARDS

Junior Software Quality Assurance · Arutala (2026) | [Credentials](#)

TOEIC (845/990) · International Test Center (2026) | [Credentials](#)

SQL Intermediate Certification · HackerRank (2025) | [Credentials](#)

Junior Web Developer Certification · Kominfo (Ministry of Communication & IT, Indonesia) (2024) | [Credentials](#)

Top 3 University Delegate · Huawei National ICT Competition – Network Track (2023)