

MUHAMMAD ARRAFI

QA Engineer | QA Automation | Software Development Engineer in Test (SDET)

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PROFESSIONAL SUMMARY

QA Engineer with 5 years of experience in manual and automated testing across Web, Android, iOS, and API platforms, with a deep focus on Tokopedia's front funnel (Home, Discovery, and Channel modules). Proven track record in building scalable test automation frameworks, owning service migration testing, and driving release quality in fast-paced Agile environments. Adept at leveraging AI/LLM tools to accelerate test design, documentation, and automation development. Strong cross-functional collaborator with developers, product managers, and data analysts to deliver seamless releases and reliable data tracking systems.

PROFESSIONAL EXPERIENCE

QA Engineer Feb 2024 – Present

ByteDance — Global E-Commerce (SEA), Tokopedia — Jakarta, Indonesia

- Perform end-to-end manual and automated testing for Tokopedia's front funnel across Web, Android, iOS, and API platforms, ensuring release quality within Agile sprint cycles.
- Drove testing for the migration of Discovery page services from Google Cloud Platform (GCP) to Bytecloud: designed and executed regression and integration test plans, and collaborated cross-functionally to validate system stability pre- and post-migration.
- Validated event tracker implementation and maintained data integrity throughout this migration, safeguarding analytics accuracy, seamless user experience, and uninterrupted business operations.
- Contribute to the quality of newly launched applications on the Channel Module by verifying UI consistency, functional behavior, and event tracker accuracy, ensuring a stable and reliable initial release.
- Analyze Product Requirement Documents (PRDs) to define comprehensive test scenarios and acceptance criteria, proactively identifying ambiguous or missing requirements before development to prevent defects early in the cycle.
- Identify, document, and track defects through resolution, partnering with developers and data analysts to minimize escaped defects in production.
- Leverage AI/LLM tools to accelerate onboarding on new domains, analyze product and technical documentation, generate and refine test cases, develop automation scripts, and produce structured QA documentation — significantly improving testing efficiency and coverage.

Software Development Engineer in Test (SDET) Aug 2021 – Feb 2024

Tokopedia — Jakarta, Indonesia

- Promoted within the first year in recognition of consistent delivery and ownership of high-impact testing projects.
- Ensured functionality and performance of the Home and Discovery pages — among the platform's highest-traffic surfaces — through front-end and back-end automated testing.
- Designed, developed, and maintained test automation frameworks, tools, and scripts following industry best practices, improving test coverage and reducing manual regression effort.
- Authored comprehensive test cases spanning unit, functional, integration, regression, tracker, and stress testing.
- Led and managed multiple concurrent testing projects, delivering QA sign-off across platforms within agreed timelines.
- Coordinated with Development and Operations teams to align testing standards and integrate automated tests into the CI/CD pipeline.
- Executed manual and automated testing across multiple product surfaces spanning Web, Mobile Web, Android, iOS, and API layers.

TECHNICAL SKILLS

Programming Languages: Java, Golang, Python, C++, SQL, HTML, CSS

Testing Tools: Selenium, Appium, Katalon Studio, Postman, Proxyman, Flipper

Automation & Frameworks: Java Test Framework, JUnit, TestNG, Unittest, Locust, CI/CD

Testing Types: Manual, Automation, API, Smoke, Sanity, Integration, Regression, Tracker, Stress

AI-Assisted QA: LLM-based tools for document analysis, test case generation, automation scripting, and QA documentation

Project & Monitoring Tools: JIRA, Confluence, Meego, Bits, Argos

Methodologies: Agile, Scrum

EDUCATION

Bachelor of Informatics Engineering 2016 – 2021

Sepuluh Nopember Institute of Technology (ITS) — Surabaya, Indonesia

Cumulative GPA: 3.5 / 4.0

LEADERSHIP & ACTIVITIES

- Vice Chairman, Keluarga Besar Alumni Rohis 38 (2024 – 2025)
- Chairman, Keluarga Muslim Informatika (2018 – 2019)

LANGUAGES

English: Professional working proficiency

Indonesian: Native