

REZA YUSUF MAULANA

Quality Assurance Engineer

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SUMMARY

Quality Assurance Engineer with over 5 years of experience in end-to-end quality assurance across Web, Mobile, and API platforms. Proven track record in transitioning from manual to automated testing using modern frameworks like Cypress and Playwright. Skilled in AI-driven testing, Cloud technologies (Azure, Google Cloud), and Shift-Left testing strategies. Adept at maintaining software quality standards in fast-paced financial and technology sectors.

PROFESSIONAL EXPERIENCE

PT BFI Finance Indonesia Tbk

June 2022 – Present

Quality Assurance Engineer

South Tangerang, Indonesia

- Architected and built a scalable test automation framework from scratch by migrating legacy suites from Cypress to Playwright, accelerating regression testing and CI/CD pipeline execution by 60% across Web and API platforms
- Pioneered the integration of Playwright MCP (Model Context Protocol) into QA workflows to auto-generate automated test scaffolding, significantly speeding up script creation and enabling the team to focus deeper on complex edge cases
- Spearheaded quality validation for an AI-Driven Quality Management (AQM) tele-collection monitoring system, verifying Voice-to-Text transcription and automated scoring algorithms against manual ground-truth data to achieve a proven 87% output accuracy rate
- Guaranteed high system stability and minimal defect leakage for the Smart Mobile Collection app, enabling 2,000+ field collectors to execute daily financial recovery and offline operations seamlessly
- Championed Shift-Left Testing by auditing FSD/BRD documents during early requirement phases, successfully identifying logical flaws before development and reducing post-release production bug leakages by 25%
- Implemented Katalon Studio for legacy system integrations, ensuring stability across 3 major platforms (Web, Mobile, API)
- Collaborated daily with expatriate professionals from Malaysia and India in a fast-paced, multicultural agile environment

PT. Dalligent Solusi Indonesia

January 2022 – June 2022

Software QA Engineer

Indonesia

- Developed flow-based test cases and executed test suites for web applications using Cypress
- Conducted cross-browser testing (Chrome, Firefox, Edge, Safari) on Windows environments
- Performed API testing using Postman to validate data exchange between client and server
- Executed performance testing using JMeter to ensure system stability under load

PT. Gumcode Indonesia

June 2021 – December 2021

Software QA Manual Tester

Indonesia

- Executed manual testing scenarios for software developed by the engineering team
- Created comprehensive test plans covering functional, regression, smoke, and exploratory testing
- Managed testing environment and tracked critical bugs using JIRA to ensure timely resolution

PROJECTS

Collection Management System (CMS) — BFI Finance

- Comprehensive testing for Digital (WhatsApp/SMS), Tele-Collection, and Field Operation channels.
- Validated Smart Mobile App for field collectors with offline mode, GPS tracking, and secure payment.

Tools: Cypress, Playwright, Postman, JIRA

Inventory Management System (IMS) — BFI Finance

- Quality control for asset recovery lifecycle (Repossessed Assets), validating complex financial logic: asset depreciation, auction bidding rules, and Profit/Loss calculations.

Tools: Katalon, Selenium, API Testing, JMeter

AI-Driven Quality Management (AQM) — BFI Finance

- Led validation of AI monitoring system for Tele-Collection.
- Tested Voice-to-Text transcription accuracy and verified automated scoring algorithms against manual ground truth data.

Tools: AI Testing, Voice-to-Text, Automated Scoring, Playwright MCP

Machine Learning & CI/CD Pipeline — Personal Project

- Designed end-to-end Machine Learning System (SML) using Python for California Housing Prices prediction with Exploratory Data Analysis (EDA).
- Implemented automated CI/CD Workflows using GitHub Actions for consistent testing, validation, and deployment of data pipelines.

Tools: Machine Learning, Python, EDA, CI/CD, GitHub Actions

SKILLS

Automation Testing: Cypress, Playwright, Katalon, Selenium

Performance Testing: JMeter

AI Testing: Playwright MCP, Voice-to-Text Validation

Project Management: JIRA, ClickUp, Confluence, Zephyr

API Testing: Postman, REST API

CI/CD: GitHub Actions

Cloud: Azure AI, Google Cloud

Languages: JavaScript, TypeScript, Gherkin, PHP

CERTIFICATIONS

- Azure AI Engineer Associate — Microsoft (2026)
- Meningkatkan Kecerdasan Copilot dengan RAG dan Fine-Tuning di Azure — Microsoft (2026)
- Junior Cybersecurity Analyst Career Path — Cisco (2026)
- Explore Generative AI with the Vertex AI Gemini API — Google Cloud (2026)
- Membangun Sistem Machine Learning (MLOps dengan MLflow) — Dicoding (2026)

EDUCATION

Brawijaya University

Bachelor's Degree in Information Technology | 2021

GPA: 3.32

Malang, Indonesia