Andi Muh. Aizar Farhan

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SUMMARY

Software Development Engineer in Test (SDET) with strong hands-on experience in both manual and automated testing, working on applications with **complex business workflows**, particularly in **insurance-related systems**. Experienced in designing end-to-end test scenarios, executing structured manual testing, and building scalable automation frameworks from scratch using **Playwright**. Proven impact in improving test reliability and reducing regression testing time by up to **80%**. Experienced in E2E, API, and database validation, with a strong focus on maintainability, quality, and cross-functional collaboration.

WORK EXPERIENCE

Qoala Indonesia   Jakarta, Indonesia
Junior Software Development Engineer in Test (SDET I)   *Oct 2025 – Present*
- Designed and executed E2E manual test scenarios covering critical insurance business flows, including positive, negative, and edge cases, ensuring functional accuracy and business rule validation.
- Built a scalable automation testing framework from scratch using Playwright and TypeScript, implementing Page Object Model (POM) architecture for maintainability and reusability.
- Developed and maintained 100+ E2E automated test scenarios, reducing regression testing time by approximately 80% through optimized and parallel test execution.
- Performed API testing using Postman and database validation using DBeaver, while reporting defects in JIRA with clear steps, expected results, and supporting evidence.

PT. Astra International Tbk   Jakarta, Indonesia
Software Quality Assurance (Project-Based Contract)   Jun 2025 – Sep 2025
- Executed comprehensive manual regression tests across 1000+ scenarios to ensure system updates did not negatively impact existing functionalities and maintained overall product stability.
- Developed automation scripts for test data generation, eliminating repetitive manual setup and increasing testing efficiency by 20%.
- Collaborated closely with developers to identify, replicate, and validate bug fixes, ensuring effective issue resolution and final product stability.

PT. Synapsis Sinergi Digital (Synapsis.id)   Jakarta, Indonesia
Software Quality Assurance Engineer Intern   Feb 2025 – Jun 2025
- Created over 1,000 detailed test cases for client websites and super apps, to ensure the functionality, performance, and reliability of client websites.
- Reduced regression testing time by 40% by developing and implementing an automated testing suite, which helped the team release new features more quickly.
- Executed comprehensive API tests with Postman to validate functionality and security, ensuring stable and seamless integration between system components.
- Worked closely with developers to test bug fixes, confirming that issues were resolved and ensuring the final product was stable.

PT. Kalbe Farma Tbk,   Jakarta, Indonesia
Quality Assurance Intern   Feb 2024 – Feb 2025
- Created key documents like test plans, scenario tests, and issue logs, which established a clear and organized testing process for the team.
- Improved test coverage by 40% for 3 major projects by writing and running automated tests script using Playwright.
- Validated API functionality and security for key services using Postman and Hoppscotch, preventing potential integration issues and enhancing system reliability.
- Built a project dashboard to track testing progress, giving the team and managers a clear, live view of project status.

EDUCATION

Bina Nusantara University (Binus)   Jakarta, Indonesia
Bachelor of Computing in Information Systems Accounting & Auditing   Sep 2021 – Jun 2025
Thesis: Fjord Phantom Malware Process and Execution Analysis in Mobile Banking Application **(Published)**
- Major GPA   : 3.64/4.00
- Relevant Coursework   : Information Systems Design, Financial Auditing, IT Governance, Data Analytics, UI/UX Design, System Testing, Web & Application Development.

RevoU (Boot Camp)   Jakarta, Indonesia
Full-Stack Software Engineer   Oct 2024 – May 2025
Final Project: KlikMart
Completed an intensive bootcamp program focused on end-to-end web development. The curriculum progressed logically from foundational HTML, CSS, and JavaScript to advanced frontend development using React and Next.js. The program culminated in a backend module covering the creation of RESTful APIs with Python and Flask. I successfully applied these comprehensive skills by developing **KlikMart** & **RevoU Bank**.

PROJECT EXPERIENCE

KlikMart (2025 – Website)
- Developed a responsive e-commerce frontend using **Next.js**, **Tailwind CSS**, and **TypeScript**, ensuring a seamless interface across mobile and desktop devices.
- Implemented a dynamic product catalog with advanced search and sorting features, focusing on component reusability and performance optimization.

RevoU Bank (2025 – RESTful API)
- Designed a secure and scalable server-side architecture using **Python** and **Flask** to manage core banking functionalities.
- Structured a **PostgreSQL** database to efficiently handle user accounts and transactions.
- Executed extensive API testing using **Postman** to validate endpoint reliability and data integrity.

LaporAja (2023 – UI/UX Design)
- Designed a mobile app concept to bridge citizens and local government for incident reporting.
- Focused on user-centric design principles to ensure accessibility for non-technical users.

TECHNICAL SKILLS
- **Programming Languages**: JavaScript, TypeScript, SQL, HTML5, CSS3, Java, Python
- **Testing Tools**: Playwright, Katalon Studio, Postman, Hoppscotch, Apidog
- **Project Management**: JIRA
- **Database**: PostgreSQL, MySQL, SQL Server Management Studio (SSMS)
- **Other Software**: MS Excel, MS Word, MS PowerPoint, MS Teams, Figma, Visual Paradigm, Slack

SOFT SKILLS
- **Detail-Oriented**
- **Problem-Solving**
- **Collaboration & Teamwork**
- **Communication**
- **Adaptability**

CERTIFICATION
- [Memulai Pemrograman Dengan Java – Dicoding Indonesia](#) (2024 – 2027)
- [Full Stack Software Engineer – RevoU](#)