

LEON FARREL AGUNG PERMANA

Software Quality Assurance Engineer

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SUMMARY

Software Quality Assurance Engineer with 1+ year of hands on experience in both manual and automation testing. Experienced in test planning, test case design, test execution, bug reporting, regression testing, API testing, and UI testing across SaaS platforms and backend systems. Skilled in backend validation and operational testing using AS400 to ensure data integrity and proper workflow execution in core SaaS systems. On the automation side, experienced in building and maintaining test frameworks using Java, Selenium WebDriver, Rest Assured, Playwright, Cucumber (BDD), and JUnit/TestNG, with CI/CD integration through GitHub Actions. I'm Detail oriented, analytical, and passionate about ensuring system reliability, software quality, and continuous improvement in technology driven environments.

EDUCATION

Primakara University

Sep 2021 - Mar 2025

Bachelor of Information System (*Sarjana Komputer*)

GPA: 3.62/4.00

WORK EXPERIENCE

Software Quality Assurance Engineer || FWD Insurance Singapore

Nov 2025 - Present

- Performed backend testing using AS400, validating critical insurance operations, data accuracy, and system workflow behavior.
- Conducted functional and regression testing for FWD's SaaS ecosystem, ensuring stability across customer facing and internal platforms.
- Designed and executed test cases, documented test results, and ensured traceability to business and technical requirements.
- Logged, tracked, and communicated defects using Jira, collaborating closely with developers and business users to ensure timely resolution.
- Supported end-to-end testing cycles, from requirement analysis to final validation, ensuring that new features and fixes met both technical and business requirements.

Software Quality Assurance Engineer Intern || Djoin Id

Feb 2025 - Aug 2025

- Worked on SaaS product quality assurance, covering both web applications and backend services.
- Designed and executed test plans, test cases, and exploratory testing for new features.
- Learned and applied automation testing using Playwright, creating scripts to validate core workflows.
- Collaborated with the engineering team to improve CI/CD pipeline integration with Jenkins.
- Documented testing results and shared insights to improve product reliability and user experience.

Mobile App Quality Assurance Intern || Timedoor Indonesia

Aug 2024 - Dec 2024

- Performed manual testing for iOS and Android mobile applications, ensuring functionality, usability, and performance met requirements.
- Designed and executed detailed test cases and test scenarios to identify bugs and inconsistencies.
- Collaborated with developers and designers to report, track, and verify bug fixes.
- Conducted regression testing to maintain app stability after updates.
- Contributed to improving overall quality assurance processes in mobile app projects.

PROJECTS

Software QA Engineer Final Project || JayJay School

Sep 2025

- Developed a hybrid automation framework integrating API testing (Rest Assured) and Web UI testing (Selenium WebDriver) using JUnit in a single repository.
- Implemented BDD approach with Cucumber (Gherkin format) to make test cases more readable, maintainable, and collaborative across technical and non-technical teams.
- Applied modular design and reusable components, supporting scalable test automation and CI/CD pipeline integration.
- Enhanced test coverage by validating REST API endpoints and end-to-end UI workflows in one framework.

API Automation Testing || JayJay School

Aug 2025

- Built an API automation testing framework using Java, Rest Assured, and TestNG to validate REST API endpoints.
- Designed positive and negative test cases for CRUD operations with status code, payload, and JSON schema validation.
- Implemented data-driven testing and reusable test methods for maintainability.
- Integrated Allure Report for detailed and visual test execution insights.

Web UI Automation Testing || JayJay School

Aug 2025

- Built a UI test automation framework using Java, Selenium WebDriver, Cucumber (BDD), JUnit, and Gradle.
- Designed test cases in Gherkin story format, improving readability and collaboration across QA, developers, and non-technical stakeholders.
- Applied BDD principles to bridge communication between business and technical teams.
- Structured the framework for scalability and maintainability, enabling efficient test execution and easier integration into CI/CD pipelines using Github Action.

COURSE & CERTIFICATION

IT Project Manager Course || JayJay School

Mar 2026 - Present

- Learned fundamentals of project management including project planning, scheduling, risk management, and stakeholder communication.
- Developed skills in requirement gathering, scope definition, and delivering projects aligned with business objectives.

Software QA Engineer Course || JayJay School

Apr 2025 - Sep 2025

- Learned Manual & Automation Testing, API Testing, CI/CD pipelines, and Agile QA practices.
- Hands-on projects: API automation with Rest Assured, Web UI automation with Selenium and Cucumber.

Certified Software Development by BNSP || LSP TIK Triatma Kompetensi

Aug 2024

- Gained strong foundation in software engineering, including program specification, best practice coding, and structured programming.
- Applied OOP, database access, debugging, and unit testing to ensure code quality and maintainability.

TECHNICAL SKILLS

Manual Testing

Functional Testing, Non-Functional Testing, Test Plan Writing, Test Case Writing, Backend Testing using AS400 Administration, Regression Testing, and Bug Report Writing

Automation Testing

Playwright, JUnit, TestNG, Selenium, Gherkin, Cucumber, Java, Page Object Model, Gradle, and Running Automation Script in AS400 Administration

API Testing

Postman and Rest Assured

Additional Skills

CI/CD using Github Action, Jira, Test Rail, Figma, Basic SQL, Microsoft Office, Fluent in English

SOFT SKILLS

Empathy, Communication, Teamwork, Attention to Detail, Problem Solving, Curiosity, Time Management and Self-motivated learner

Sertifikat Tambahan ini didedikasikan untuk

Leon Farrel Agung Permana

Karena telah berhasil menyelesaikan tugas-tugas
yang bersangkutan dengan pelajaran berikut.

Kursus "QA Engineer" yang terdiri dari:
23 modul, 7 tugas praktikal dan tugas akhir
NILAI : 100

Topik kursus:

- Apa itu Product Testing
- Software Development Life Cycle
- Dokumentasi Testing
- Teori Testing
- Database untuk QA Engineer
- Dasar SQL untuk QA Engineer
- API Testing menggunakan Postman
- Test Scenarios dan Test Cases untuk Automation Testing
- Implementasi Test Pyramid
- Pengenalan Java
- Git dan GitHub
- Jenis Data
- Java Operators
- Conditional
- Iteration dan Jump Statements
- Metode Java
- Pengenalan Object-oriented programming
- Membangun Manajemen Dependensi Tools
- Basic Test Framework dalam Java
- Membuat API automation framework dengan Java
- Membuat Web UI automation framework dengan Selenium
- CI/CD menggunakan GitHub Actions
- Peluang QA di Masa Depan



Vitalii Somka
CEO PT Jay Jay Education
8 Sep 2025