Zulfiqar Silmy Setiawan

QA Engineering | Software Engineering | Application Security
Kudus, Central Java, Indonesia | fiqarsilmy@gmail.com
+62 877 8668 8370 | linkedin.com/in/zulfiqar-silmy-setiawan | github.com/Fiqqar | zulfiqar.dev

SUMMARY

Software and Game Development student with hands-on experience in software quality assurance, application security, and backend development. Experienced in test design, black-box and white-box testing, Python tooling, and API development. IJCO 2026 Bronze Medalist, 2x LKS Cybersecurity Kabupaten champion, and 2026 LKS Cybersecurity provincial Medallion for Excellence recipient.

EXPERIENCE

PT RECTmedia Komputindo – Semarang, Indonesia Oct 2026 – Present

QA & Technical Writer Intern

- Performed UI, functional, security, and white-box testing across 2 client web projects, including LMS and WordPress applications.
- Conducted black-box security assessments on 2 internal web applications using attack surface mapping and Burp Suite HTTP traffic analysis.
- Designed structured test cases and execution records with source-code references to help developers trace failed tests to relevant implementation areas.
- Produced weekly QA reports covering test metrics, failed cases, root-cause analysis, and remediation recommendations; supported Playwright testing and debugging through baseline helpers and AI-assisted workflows.

PROJECTS

Relay – CLI Git Workflow Automation Project Aug 2026 – Oct 2026

Solo Creator (GitHub)

- Built a zero-runtime-dependency CLI for Git staging, hunk selection, and AI-generated Conventional Commits, supporting 7 pluggable AI providers.
- Developed 1,400+ pytest tests with ~99% branch coverage, plus a separate 59-test adversarial suite.
- Implemented argv-only command execution, environment-based secret handling, and non-destructive Git operations to strengthen workflow reliability and security.

Swift – COMPFEST 18 AI Innovation Challenge, Universitas Indonesia Jul 2026 – Aug 2026

Backend Developer (GitHub)

- Developed a FastAPI/PostgreSQL logistics backend in a 4-person team, delivering 14 REST endpoints and 5 SQLAlchemy models.
- Implemented JWT authentication, billing and tracking features, and multi-image proof-of-delivery uploads.

Quarry – Solo Side Project May 2026 – Aug 2026

Full-Stack Developer (GitHub)

- Built a Nuxt, Elysia.js, and PostgreSQL application that converts raw HTTP evidence into structured vulnerability reports.
- Implemented a custom HTTP parser, automated redaction across 20 sensitive field types, JWT authentication, and 233 unit tests.

RUS CTF – Cybersecurity Project Apr 2026 – May 2026

Problem Setter (Set 1: GitHub 1 & Set 2: GitHub 2)

- Authored and validated 29 CTF challenges across Web, Reverse Engineering, Binary, Cryptography, Forensics, and Miscellaneous categories.
- Dockerized, deployed, and tested all the challenges on Google Cloud Platform (GCP).

EDUCATION & TRAINING

SMK Raden Umar Said, Kudus — Jul 2024 – Present
(Expected graduation: 2027)
Vocational High School – Software and Game Development (PPLG)

- Core Focus: Full-Stack Development, Game Development, and Cybersecurity.
- Relevant Skills: C#, Web Development, Database Management, Application Security.

BrightChamps, Online — Dec 2021 – Aug 2025
Coding Experience Program

- Completed a 3+ year structured coding program covering C++, Full-Stack MEVN Development (MongoDB, Express.js, Vue.js, Node.js), and cybersecurity fundamentals.

ACHIEVEMENTS

International Junior Cybersecurity Olympiad (IJCO) 2026, Online — Sep 2026
Bronze Medalist

Lomba Kompetensi Siswa (LKS) Cybersecurity Provinsi 2026, Purwokerto — Apr 2026
Medallion for Excellence (5th Place out of 24 teams) – Achieved 749 points under WorldSkills Competition standards

Lomba Kompetensi Siswa (LKS) Cybersecurity Kabupaten 2026, Kudus — Mar 2026
1st Place

Codelamp – 3D Game Development Batch 1, Online — Nov 2025
Most Innovative Concept Award

Lomba Kompetensi Siswa (LKS) Cybersecurity Kabupaten 2025, Kudus — Feb 2025
1st Place

SKILLS

- Backend: Python, FastAPI, Express.js, Elysia.js, Laravel, REST APIs
- Databases: SQL, PostgreSQL, MySQL
- Frontend: TypeScript, JavaScript, Vue.js, Nuxt, HTML5, SCSS, CSS, Tailwind, Bootstrap CSS
- Game Development: C#, Unity Engine, Unreal Engine (Blueprints)
- Security: Web vulnerability assessment, Application Security, Linux, Burp Suite
- Testing & CI: pytest, Playwright, GitHub Actions (CI/CD), test coverage gates
- Tools & Cloud: Git/GitHub, Git workflows, shell scripting (bash/PowerShell), Docker, Google Cloud Platform, Firebase, VS Code
- Languages: Indonesian (Native), English (TOEFL Junior: 816, TOEIC: 845)