Muhamad Alifa Sulaeman

Software Engineer / Full Stack Developer

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SUMMARY

Software engineer focused on building full-stack web applications and integrating machine learning models into production environments. Experienced in solving operational problems by turning complex workflows into reliable digital products using Laravel, React, Python, and Golang.

WORK EXPERIENCE

Machine Learning Engineer (Project) — *RS AZRA*

Nov 2025 – Jul 2026

- Processed BPJS datasets and trained an XGBoost machine learning model to forecast inpatient length of stay, integrating the prediction engine into a Laravel dashboard to optimize bed turnover planning.

Fullstack Web Developer (Contract) — *LPSK (Government Agency)*

Jun 2025 – Jun 2026

- Developed a centralized asset management platform using Laravel, digitizing full asset lifecycles and implementing a multi-tier approval workflow for facility reservations.

Web Developer Intern — *RS AZRA*

Mar 2025 – Jul 2025

- Developed the PPI Information System (HAIs) using React and PostgreSQL REST APIs, transitioning manual infection data recording to a secure web dashboard to automate real-time analytics and accelerate hospital accreditation reporting.

Freelance Software Developer

2024 – Present

- Designed and engineered a high-performance e-commerce REST API in Golang, handling product catalogs, cart state, and order management with optimized database queries.
- Built a cross-platform mobile application using Flutter for daily dzikir tracking, featuring custom targets and local storage for offline reliability.

EDUCATION

Universitas Binaniaga Indonesia

2022 – 2026

Bachelor of Science in Informatics Engineering

- **GPA: 3.75**
- Focused on software engineering, system analysis, and applied machine learning.

SKILLS

Frontend:	React, Next.js, Tailwind CSS, TypeScript, HTML/CSS
Backend & APIs:	Laravel (PHP), Golang, Node.js, RESTful APIs
Database:	MySQL, PostgreSQL
Data & ML:	Python, Pandas, Scikit-learn, XGBoost
Mobile:	Flutter
Tools & DevOps:	Git, Docker, Postman, Linux/cPanel