

# AHMAD IRFAN FAIZ

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## Career Summary

Results-driven Fullstack Developer with a passion for building scalable digital solutions. Specialized in Laravel and RESTful APIs, with hands-on experience in AI integration, system automation, and digital transformation. Adept at leading projects, working across teams, and solving real-world problems through code.

## Technical Skills

- Programming Languages: PHP, JavaScript
- Frameworks: Laravel, React.JS, Livewire
- Databases: MySQL, PostgreSQL
- Tools & Technologies: Git, Github Actions (CI/CD), RESTful APIs, TailwindCSS, Agile Methodologies

## Professional Experience

**Backend Web Developer (Internship) | Tiga Serangkai University – Surakarta | Aug 2024 – Feb 2025**

- Built a REST API for the LPPM Web Information System using Laravel 11 and MySQL.
- Led the project team, managed tasks and timelines to meet deliverables efficiently.
- Delivered a scalable backend solution contributing to a centralized research platform.

**Backend Web Developer (Internship) | PT. Tiga Serangkai Pustaka Mandiri Group – TPP Al Firdaus, Surakarta | Feb 2024 – Jun 2024**

- Learned and applied Golang fundamentals to build backend services.
- Collaborated on a web-based Academic Information System using Golang and PostgreSQL.

**Freelance Web Developer | Self-employed | Aug 2023 – Present**

- Developed questionnaire and data entry platforms using Laravel, MySQL, Livewire, and TailwindCSS.
- Built interactive, responsive applications to enhance user experience.

**Fullstack Web Developer (Internship) | PT. Astra Otoparts, Tbk – Engineering Development Center, Cikarang | Jul 2023 – Nov 2023**

- Led the digital transformation by building three internal web-based systems.
- Handled complete development lifecycle including requirement gathering, coding, and deployment.

**Program Participant / Teaching Assistant & Web Developer (Kampus Mengajar) | SD Negeri Catur, Sambu, Boyolali (Kampus Merdeka) | Feb 2023 – Jun 2023**

- Developed a PHP-MySQL based library management system, streamlining book tracking for teachers.
- Designed school's new logo, improving its visual identity and brand recognition.
- Created and managed YouTube and Instagram channels to modernize school communication.
- Supported students and teachers with digital tools to enhance learning and administration.

**Web Developer Intern (internship) | Indoterra Pratama Mulia, Surakarta | Jan 2017 – Mar 2017**

- Learned foundational skills in web development, focusing on PHP, MySQL, and Bootstrap.
- Gained hands-on experience in developing dynamic websites using PHP and MySQL.

## **Key Projects**

**Security Checking System for PT. Astra Otoparts, Tbk – Engineering Development Center**

- Implemented a barcode-based monitoring system for real-time location updates.
- Automated reporting to improve efficiency and accuracy in patrol records.

**Smart Recipe Recommendation System (Final Project - Undergraduate Thesis)**

- Developed an AI-based web application that recommends recipes based on leftover ingredients to reduce food waste.
- Enabled two input methods: manual ingredient selection and automatic image-based detection using OpenAI API.
- Implemented content-based filtering using TF-IDF and cosine similarity to calculate match scores between user inputs and recipe ingredients.
- Improved food usage efficiency and user engagement by providing personalized and practical meal suggestions.

**Asset Management System for PT. Astra Otoparts, Tbk – Engineering Development Center**

- Developed inventory management features including automated barcode labeling.
- Enabled faster asset auditing with barcode scanning.

### **LPPM Web Information System – Tiga Serangkai University**

- Built a centralized portal for research, publications, and academic events.
- Integrated admin tools for dynamic content updates and real-time information management.

### **Education**

- Tiga Serangkai University – B.Sc. Informatics Engineering | 2021 – 2025
- SMK Telekomunikasi Tunas Harapan – Software Engineering | 2015 – 2018

### **Certifications**

- Internship Certificate – PT. Astra Otoparts Tbk (2023)
- SQL Fundamentals – SoloLearn (2022)