

# Muhamad Rizal Arfiyan

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## SUMMARY

A highly skilled Web Developer with over 6 years of experience specializing in backend and full-stack development. Proficient in multiple programming languages, including Golang, JavaScript, TypeScript, and PHP. Extensive experience in backend development, particularly with Golang (4+ years). Passionate about building scalable, high-performance applications and optimizing system architecture. Currently pursuing a Bachelor's degree in Computer Science at Universitas Amikom Yogyakarta (8th semester).

## EXPERIENCE

### iMotion Production

Fullstack Developer

Selangor, Malaysia (Remote)

Apr 2025 - Present

- Developed fully responsive and mobile-first layouts to deliver a consistent and engaging user experience across all devices.
- Strengthened backend application security by identifying vulnerabilities and implementing secure coding best practices.
- Established CI/CD pipelines to automate deployments to cPanel, significantly reducing deployment time and minimizing human error.

### Cakap

Fullstack Developer Intern

Yogyakarta, Indonesia

Sep 2025 - Mar 2026

- Refactored the legacy assessment codebase to improve structure and maintainability.
- Migrated the frontend build system from Create React App to Vite for faster performance and optimized application load times using advanced code-splitting techniques.
- Standardized coding practices by implementing ESLint, Prettier, and Lighthouse.
- Developed interactive assessment features, including Drag-and-Drop, Voice Recording, AI-powered Speaking Analysis, Fill-in-the-Blank, Audio Playback Controls, and etc.

### Forum Asisten

Forum Asisten

Yogyakarta, Indonesia

Mar 2025 - Aug 2025

- Assisted lecturers during practical sessions to explain concepts in Database Systems and Web Development.
- Guided students through technical challenges, helping them debug code and understand best practices.
- Graded assignments and practical exams to evaluate student performance.

### Setoko

Backend Developer

Jakarta, Indonesia (Remote)

Jul 2023 - Feb 2025

- Developed major features, including QR Code generation, Notification Reminder, WMS, Single Checkout, Settings, Subscription, Customer Management, Banner Management, and Bulk Product Management.
- Developed a dynamic event scheduler with a GUI interface for automated tasks such as SQL backups and unused file removal.
- Established CI/CD pipelines with zero downtime across multiple repositories.

### Freelance

Web Developer

Remote

Mar 2023 - Feb 2025

- Conducted client discussions to identify feature requirements based on their business challenges.
- Developed applications with a strong focus on performance, code quality, and maintainability.
- Deployed applications to production environments using hosting services or VPS.

### Kominfo DIY

Backend Developer Intern

Yogyakarta, Indonesia

Aug 2024 - Dec 2024

- Lead technical discussions within the MSIB team.
- Refactored and optimized legacy backend code to improve performance and reusability.
- Actively participated in team meetings, providing insights and suggestions based on assigned tasks.

### ABP Incubator

Web Developer

Yogyakarta, Indonesia

May 2023 - May 2024

- Developed and launched custom web solutions for Micro, Small, and Medium Enterprises (MSMEs), tailored to their unique business needs and growth objectives.

- Managed the end-to-end deployment of both frontend and backend applications, ensuring seamless and reliable project delivery.
- Applied clean code and best practices across the full stack, significantly improving code quality, readability, and long-term maintainability.

**Kartala Digital**  
Frontend Developer

Bandung, West Java, Indonesia (Remote)  
Sep 2022 - Dec 2022

- Participated in team meetings, offered suggestions, modify the detailed task, and provided updates on deadlines.
- I helped to break down the task and calculate the task's points.
- Build the boilerplate/skeleton of the repository using a clean architecture and standard code formatting.

**Refactory**  
Backend Developer

Sleman, Yogyakarta, Indonesia  
Aug 2021 - Aug 2022

- Developed efficient and maintainable software according to business objectives and needs of clients.
- Become involved with the OKR company's intense partnering programs.
- Solve the problem utilizing multithreaded processing, read, calculate, and store a large amount of excel data to the database.
- Improve and create the database design and discuss it with another developer.

**SMA Negeri 2 Kebumen**  
Fullstack Developer

Kebumen, Central Java, Indonesia  
Jul 2019 - Aug 2021

- The Research and Purpose Solutions team implemented the proof of concept for static pages to dynamic pages using Codeigniter's PHP framework.
- Resolve CPU and memory leaks that were caused by malware on the server.
- Make a CMS website to manage all blogs, such as the main post, the organization post, the achievement post, the news post, and so on.

Detailed experience available at [rizalarfiyan.com/experience](https://rizalarfiyan.com/experience)

## KEY PROJECTS

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**Dian Mandiri Grup** | Backend

2024 - Present

The Dian Mandiri Logistics System is a backend platform designed to optimize warehouse receiving. It manages goods unloading by tracking items to their specific storage positions. The system includes an analytics dashboard for location and user activity, plus dynamic Excel reporting to streamline operational oversight and enhance data accuracy.

**Admin Cakap** | Frontend

2025 - 2026

Developed Admin Cakap, an internal dashboard using Angular. Delivered the Private Upcoming Class page with filtered tables and Swap Class functionality, built Create/Edit Phone Number features for Location Tagging, enhanced Assessment link sharing and search filters, and resolved critical bugs to improve system stability and usability.

**AI Cakap** | Frontend

2025 - 2026

Developed AI Cakap, an AI-powered assistant for querying class materials using RAG with context scoped to learning content. I built the chat history, markdown streaming responses, feedback voting, robust error handling, and IndexedDB cache integration with existing APIs to improve reliability, performance, and user experience.

**B2B Cakap** | Frontend

2025 - 2026

Developed a B2B platform at Cakap using Next.js, Chakra UI, and TypeScript. Built Department Detail and Proctor Report modules, and enhanced data tables with dynamic filtering, ordering, and skeleton loading. Implemented lazy-loaded API fetching for Class Progress, improving performance and user experience.

**Cakap Assessment** | Frontend

2025 - 2026

Cakap Assessment is a language proficiency testing platform. I develop the complete refactoring of the legacy system to improve scalability. I migrated the codebase to Vite for better performance and engineered critical features like AI-powered speaking tests and a robust device check system, ensuring a stable and maintainable environment.

**Setoko** | Backend

2023 - 2025

Setoko is a web and mobile e-commerce platform offering advanced reporting, analytics, product management, and cart management. To enhance performance, I am refactoring the codebase with optimized algorithms and bug fixes. Additionally, I am building a robust DevOps infrastructure to streamline deployment, improve system reliability, and boost operational efficiency.

**Warehouse Kominfo** | Backend

2024

Kominfo Data Warehouse is a platform designed to simplify data management for civil servants across various sectors. It enables users to upload spreadsheet data, which is then processed and stored in a centralized database. The application supports SSO authentication and features dynamic column validation, user management, and log history tracking for uploaded data.

**Santrimo** | *Backend*

2023 - 2024

Santrimo, a mobile application for enhances queue management and case tracking at the East Jakarta Religious Court. Optimized with in-memory caching, it efficiently processes queues and highly relational case data by leveraging existing system records. This improves the performance, reliability, and responsiveness of court operations, ensuring a seamless and efficient workflow.

**Lauretta.io** | *Backend*

2022

Powered by Artificial Intelligence, Lauretta.io uses existing cameras to infer occupant behaviour and intent that provides insights into Property, Facility, Retail & Security Management. I develop the apps like fixing bugs and creating PDFs for a reporting system that automatically processes data with graphical input such as line charts, bar charts, pie charts, scatter charts, sankey charts, and other custom HTML elements.

**Onekideco** | *Backend*

2021 - 2022

Onekideco is an app for a coal mine reporting system. Developed by a great team with effective communication, extensive knowledge, etc. The apps have a lot of features, including the ability to send notifications to users, calculate data using the coal mine formula, read and write Excel files, and create reports in PDF format, etc.

More projects available at [rizalarfiyan.com/project](https://rizalarfiyan.com/project)

## EDUCATION

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**University of AMIKOM Yogyakarta**

Yogyakarta, Indonesia

Bachelor's degree in Informatics

2022 - Present

## SKILLS & OTHERS

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**Language** : Typescript, PHP, Javascript, Golang, C#, C++, Go**Framework** : Laravel, React, Laravel Inertia, Fiber, Codeigniter, Gin, Next.js, .Net, Angular, Express, Laravel Livewire, Mux**Library** : Tailwindcss, Zustand, Alpine.js, Bootstrap, Dropzone, SASS, Tiptap, Chart.js, Formik, JQuery, PGX, React Query, React Table, Yup, Excelize, Zod, JSPdf, Quill, React Hook Form, Recharts, SQLX, WKHTMLTOPDF, AOS.js, Apache E-Chart, Chakra UI, ChromeDP, Editor.js, Filepond, HLS.js, Imask.js, IMask.js, JQuery, Knex, Lame.js, Laravel Echo, Mapbox, Material UI, Paparse, PdfCPU, Puppeteer, Pusher, React, Redux, RTK Query, Slate, Streamdown**Database** : MySQL, Redis, Postgresql, Minio, Index DB, MariaDB, Memory Cache, Mysql, Postgres**Tools** : Git, Eslint, Prettier, Vite, Github, Husky, Gitlab, Lint Staged, Swagger, Webpack, Biome, Gulp, PHP CS Fixer, Cypress, Figma, Storybook**Protocol** : REST API, HLS, MQTT, Websocket**Devops** : Docker, Nginx, Firebase, Azure, VPS**Methodology** : Kanban, Scrum**Architecture** : Monolith, Micro Service, PWA**Soft Skill**: Interpersonal Skills, Positive Attitude, Creativity, Time Management, Learned Primarily from Personal and Professional Experience