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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

Selangor, Malaysia (Remote)

Fullstack Developer (Part-Time)

Apr 2025 - Present

- Strengthened application reliability and security by identifying vulnerabilities, enforcing secure coding practices, and standardizing code quality through linting across repositories.
- Delivered pixel-perfect, high-fidelity frontend implementations from UI/UX designs, building responsive, mobile-first interfaces that ensure consistent user experience across devices.
- Streamlined operations and deployment by establishing CI/CD pipelines, managing hosting environments (DNS, email, file systems), and executing seamless server migrations for PHP applications via cPanel.

Cakap

Yogyakarta, Indonesia

Fullstack Developer Intern

Sep 2025 - Mar 2026

- Led a full-scale refactor of a legacy assessment platform, improving code maintainability and successfully delivering within a 6-week (3-sprint) timeline.
- Optimized frontend performance by migrating from Create React App to Vite, significantly reducing build times and enhancing application load speed through advanced code-splitting.
- Developed rich, interactive assessment features (e.g., drag-and-drop, voice recording, AI-driven speaking analysis, and audio controls), elevating user engagement and product capability.
- Improved engineering standards and system stability by enforcing linting/formatting tools and resolving critical bugs across multiple services, ensuring a more reliable and scalable platform.

Forum Asisten

Yogyakarta, Indonesia

Forum Asisten

Mar 2025 - Aug 2025

- Supported academic delivery in Database Systems and Web Development by assisting lecturers during practical sessions and explaining core technical concepts to students.
- Mentored and guided students in debugging, problem-solving, and applying best practices, improving their technical understanding and learning outcomes.
- Evaluated student performance by grading assignments and exams, and managing score calculations to ensure accurate and fair assessment processes.

Setoko

Jakarta, Indonesia (Remote)

Backend Developer (Part-Time)

Jul 2023 - Feb 2025

- Architected scalable infrastructure by implementing containerized staging and production environments, and establishing zero-downtime CI/CD pipelines across multiple repositories.
- Engineered high-impact platform features (e.g., WMS, subscription systems, bulk product management, and QR-based workflows) while improving backend performance through refactoring and database normalization.
- Optimized large-scale data processing by building concurrent spreadsheet ingestion systems with validation and bulk insertion, significantly increasing efficiency and throughput.
- Enhanced system reliability and user experience by implementing advanced image processing, automated scheduling systems, secure authentication (magic links via WhatsApp), and comprehensive API documentation using Swagger.

Freelance

Remote

Web Developer

Mar 2023 - Feb 2025

- Bridged business and technical requirements by leading client discussions, translating challenges into actionable features, and selecting optimal technology stacks for each project.
- Delivered end-to-end development with a focus on performance, clean code, and maintainability, ensuring timely execution aligned with project milestones.
- Accelerated development efficiency by creating reusable boilerplates and standardized project structures, reducing setup time and improving consistency across projects.
- Managed deployments to production environments (hosting/VPS) while collaborating with teams to resolve technical challenges and ensure stable releases.

Kominfo DIY

Backend Developer Intern

Yogyakarta, Indonesia

Aug 2024 - Dec 2024

- Implemented secure data exchange infrastructure using X-Road, enabling reliable and standardized communication between systems.
- Developed computer vision solutions leveraging YOLOv8 and TensorFlow.js, enhancing real-time vehicle detection and CCTV analytics performance.
- Optimized backend systems and large-scale data processing (e.g., spreadsheet handling), significantly improving performance and code reusability through refactoring.
- Contributed to technical leadership and knowledge sharing by leading discussions, producing API documentation, and representing the team in industry events.

ABP Incubator

Web Developer

Yogyakarta, Indonesia

May 2023 - May 2024

- Delivered tailored web solutions for MSMEs, aligning technical implementation with business goals to support growth and operational efficiency.
- Managed full lifecycle deployment of frontend and backend applications, ensuring stable, reliable releases in production environments.
- Improved code quality and maintainability by enforcing clean code principles and best practices across the full stack.
- Built responsive, mobile-first user interfaces and collaborated in strategic planning to define scope, resolve technical challenges, and ensure project alignment.

Kartala Digital

Frontend Developer (Part-Time)

Bandung, West Java, Indonesia (Remote)

Sep 2022 - Dec 2022

- Established a scalable frontend foundation by designing a clean architecture boilerplate, implementing reusable global components, and improving code consistency through standardized formatting.
- Enhanced application performance and maintainability by refactoring legacy code into modular, reusable components while ensuring responsive, mobile-friendly user interfaces.
- Contributed to team productivity by onboarding new developers, breaking down tasks, and supporting sprint planning with accurate effort estimation.
- Collaborated on backend problem-solving by proposing effective solutions leveraging Go and PostgreSQL to improve system reliability and performance.

Refactory

Backend Developer

Sleman, Yogyakarta, Indonesia

Aug 2021 - Aug 2022

- Designed and delivered scalable backend features aligned with business objectives, including analytics systems, dynamic reporting (PDF with advanced charts), and real-time notification services using Firebase.
- Optimized large-scale data processing by implementing multithreaded solutions to efficiently read, compute, and store high-volume Excel datasets, significantly improving performance and reliability.
- Strengthened engineering quality through code reviews, linting standardization, and unit testing practices, achieving over 80% code coverage and improving maintainability across repositories.
- Deployed and maintained applications in cloud environments using Rancher and Microsoft Azure, ensuring stable CI/CD pipelines and consistent delivery performance.

SMA Negeri 2 Kebumen

Fullstack Developer

Kebumen, Central Java, Indonesia

Jul 2019 - Aug 2021

- Spearheaded the transition from static to dynamic web architecture using CodeIgniter, enabling scalable content management and improved maintainability.
- Designed and developed a comprehensive CMS platform to manage multi-category content (blogs, organizational updates, achievements, and news), enhancing operational efficiency.
- Strengthened system security by implementing AES-128/AES-256 encryption and mitigating vulnerabilities such as XSS, SQL injection, and DDoS attacks, while resolving malware-induced CPU and memory issues.
- Delivered high-performance deployments (85%+ success metrics) and built a voting application that supported impactful decision-making during COVID-19 initiatives.

Detailed experience available at rizalarfiyan.com/experience

KEY PROJECTS

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.

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.

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.

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

EDUCATION

University of AMIKOM Yogyakarta

Bachelor's degree in Informatics

Yogyakarta, Indonesia

2022 - Present

SKILLS & OTHERS

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, 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