RICKY AFDILLAH

SOFTWARE ENGINEER

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TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python, Go, PHP
Frameworks	React, Vue.js, Next.js, Node.js, Django, Echo, Gin, Laravel, CodeIgniter
Developer Tools	Docker, Kubernetes, Argo CD, Jenkins, GitLab CI, Harbor, Grafana, Prometheus
Databases	PostgreSQL, MySQL, MongoDB, SQLite, Supabase
Miscellaneous	Git, Figma, Nginx, HAProxy, Linux, VPS, Networking

WORK EXPERIENCE

DevOps Engineer — Cartenz Technology, Apr 2026 – Present

- Automated 90% of maintenance reporting (server utilization, service uptime, incident handling) and integrated WhatsApp and Telegram with the ticketing system to speed up incident response.
- Designed end-to-end monitoring and alerting for a 14-server production environment (Kubernetes, PostgreSQL, Redis, HAProxy) using VictoriaMetrics, Grafana and Alertmanager, including server-to-server connectivity checks.
- Maintained CI/CD and GitOps delivery with GitLab CI, Jenkins, Harbor and Argo CD on Kubernetes (RKE2).

Technical Leader — Kabayan Consulting, Jan 2021 – Mar 2026

- Directed, managed and mentored software engineering teams.
- Wrote technical proposals and presented Proofs of Concept in client pitches, securing multiple contracts including an IDR 4.5 billion project from a single client.
- Architected, deployed and maintained internal corporate systems (task management, finance, document repositories, dedicated email and office network), cutting internal operating cost by 75% (IDR 20 million to IDR 5 million per month).

Senior Software Engineer — Kabayan Consulting, Jan 2019 – Dec 2020

- Built and maintained client applications in their preferred stacks, including PHP, Go, Python, Swift and JavaScript/TypeScript.
- Engineered a cost-effective omnichannel contact center for a key client, reducing their annual operating budget by over 58% (about IDR 350 million saved per year).
- Moved deployments from manual steps to CI/CD pipelines, reducing deployment time by about 20–30%.

Software Engineer — Kabayan Consulting, Feb 2017 – Dec 2018

- Developed, maintained and optimized full-stack applications with Laravel, Django/Flask and Go on MySQL, PostgreSQL and MongoDB.
- Deployed, maintained and troubleshot production environments, both on-premise and in the cloud.
- Contributed to system architecture and technical documentation.

EDUCATION

Bachelor of Computer Science, Universitas Bina Sarana Informatika — *GPA 3.54 / 4.00*

Diploma in Informatics Management, Akademi Bina Sarana Informatika — *GPA 3.63 / 4.00*

PROJECTS

Omnichannel Contact Center Government institutions and private companies, 2019 – 2025

Multichannel contact center covering text, voice and video calls, fully integrated with WhatsApp, Instagram and Facebook. Includes a ticketing module that connects to each client's internal systems and a real-time dashboard for call and chat traffic and agent availability. Delivered for 3 government institutions and 2 private construction materials companies; cut one client's annual operating budget by more than 58%.

Dynamic Archival Management System Government institution, 2018

Re-engineered records management system for document management, incoming and outgoing mail processing and follow-up dispositions between users, with real-time tracking from the current holder to final storage and standardized retention schedules.

Food Distribution Tracking Platform Government institution, 2017

Digitalized food distribution tracking from the central government to remote areas across Indonesia, including a repository of the institution's distribution assets. Automated previously manual reporting, shortening information synthesis from 4 months to real time.

Online Library Information System Government institution, 2017

Digital library with a book repository including physical layout and location, borrowing for employees and non-employees, and a content management system for activities, scientific papers and newsletters.