

Rakhis Yudha

Software Engineer

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Summary

Computer Science student at Binus University (Online Learning) with a Software Engineering background and hands-on experience across both front-end and back-end development. Recently completed a backend development internship building a CRM platform from scratch using Go, Gin, PostgreSQL, and Redis, including authentication, role-based access control, and cloud storage integration. Also experienced with REST APIs using Express.js and MongoDB, JWT authentication, and building interfaces with Next.js, React, and Flutter. Comfortable with MVC architecture, relational and non-relational databases, and foundational software design and UI/UX principles. Adaptive, communicative, and consistent in delivering projects on deadline.

Education

Binus University (Online Learning) | Computer Science | August 2024 – Present | GPA: 3.90/4.0

Relevant coursework: Algorithms & Programming, Calculus, Software Development, Logic, Software Design, UI/UX Design, Database, Computer Security.

SMK Farmako Medika Plus | Software Engineering | June 2020 – July 2023

Work Experience

- **Intern | PT Radius Data Solusi | March 2026 – Present**

Built a CRM platform from scratch using Go, Gin, PostgreSQL, and Redis, managing sales pipelines, deals, and customer relationships.

Implemented role-based access control, email notification system (DKIM/SPF/DMARC), and Google Drive/Cloud Storage integration.

Debugged OAuth login flow, improving error handling and redirect logic.

Set up dual-environment (dev/prod) Docker deployment infrastructure on a VPS with Nginx and SSL.

Refactored core backend performance and reliability post-code-review. Replaced raw SQL string concatenation with sqlc for type-safe, injection-resistant queries, fixed cross-instance token revocation with a Redis-backed distributed blacklist, eliminated N+1 query bottlenecks in project-progress calculations via batched CTE queries.

Introduced an async email queue (asynq/Redis) to make outbound delivery resilient to SMTP handshake latency and greylisting, without altering existing DKIM/SPF-verified send logic.

- **Intern | CV. Sinang Permata | Front-end Developer | July 2022 – October 2022**

Implemented a cafe website UI from Figma into HTML, CSS, and JavaScript.

Collaborated in a 4-person team, acting as frontend technical coordinator.

Built 11 responsive pages.

Personal Projects

- **Full-Stack Project | Self-Deployed Web App | August 2026**

Next.js, Framer Motion, Bun, Supabase.

Designed and self-deployed a full-stack app end-to-end on a private VPS. Configured Nginx reverse proxy and SSL, managed the entire deployment pipeline independently (no PaaS/managed hosting).

Built a custom CMS with Bun and Supabase to manage content, plus a /notes page as a Medium/Substack-style reading experience for personal journaling.

Delivered polished UI/UX with Framer Motion micro-interactions and smooth transitions.

- **Fullstack Project | Online Marketplace App | January 2026**

Built a fullstack online marketplace using React, Express, and MongoDB.

Implemented React Router for navigation and Axios for data fetching.

Built a RESTful API with CRUD operations, with product data stored in MongoDB.

Added login/register pages on the frontend, with JWT authentication implemented.

Deployed the project (frontend/React to Vercel, backend/Express to Railway).

Integrated Google Analytics into the project.

- **Mobile App | Quiz App | October 2025**

Built a mobile app using the Flutter framework, featuring question shuffling, answer selection, page navigation, results display, and a restart button.

- **Back-end Project | Golang | September 2024 – October 2024**

Built a REST API using Go and PostgreSQL.

Implemented JWT authentication (access & refresh tokens).

Built CRUD operations for user profiles and history with relational data.

Implemented role-based access and authorization middleware.

Skills

- **Tech Stack:** JavaScript, Go, React, Next.js, Vue.js, Dart (Flutter), Node.js, Express.js, Laravel, Bun.
- **Frontend:** React Router, Responsive Design, Image Optimization, API Fetching, Browser DevTools.
- **Backend:** REST API design, CRUD, JWT Authentication, Middleware, Role-Based Access Control, Caching.
- **Database:** MySQL, PostgreSQL, MongoDB, Redis, Supabase.
- **DevOps/Tools:** Docker, Jenkins, Nginx, GitHub, Figma.
- **Soft Skills:** Communication, Deadline-Oriented, Adaptability, Team Collaboration.
- **Languages:** Indonesian (Native), English (Intermediate).