

Dedy Prasetyo Hermawan

Full-Stack Software Engineer

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SUMMARY

Full-Stack Software Engineer with 6+ years building web and mobile applications using React, Next.js, TypeScript, Node.js, Express, NestJS, React Native, and Flutter. Delivers enterprise systems with PostgreSQL, Prisma, NextAuth, Playwright testing, and AI features (RAG, semantic search, OpenAI embeddings, Pinecone). Complements full-time roles with freelance and part-time work shipping product MVPs and CI/CD automation. Focused on scalable systems and measurable business outcomes.

EXPERIENCE

PT. Kalbe Farma Tbk

Jakarta

Software Engineer (Full-time)

Oct 2025 - Jan 2026

- Architected a full-stack learning platform with Next.js, Express.js, Prisma, and PostgreSQL for high-performance internal and external access.
- Built an admin dashboard for courses, academies, CMS, and payments using Prisma and Knex.js on PostgreSQL.
- Implemented NextAuth authentication and role-based access control (RBAC) for thousands of employees across divisions.
- Engineered semantic search with OpenAI embeddings and Pinecone for context-based training material discovery.
- Established Playwright end-to-end testing; delivered MVP in 2 months (ahead of 3-month schedule) and reduced production bugs.

PT. Visi Nusapati Utama

Jakarta

Software Engineer (Full-time)

Jul 2021 - Mar 2025

- Led a team of 3 engineers on a financial reporting web app (Next.js, Express.js, NestJS) with real-time budget tracking and analytics for a mining and charter company.
- Architected an automated insurance processing system (NestJS, Express.js, REST APIs) that cut claims turnaround from 3 days to 1 day (66% faster).
- Delivered 10+ projects across logistics, insurance, and e-commerce using Next.js, React Native, and Flutter, with 100% client satisfaction.
- Improved operational efficiency by an estimated 30% by reducing manual workflows; partnered with stakeholders on agile delivery.

Nusantech

Jakarta

Software Engineer (Full-time)

Oct 2019 - Jul 2021

- Delivered 5+ client web projects on time using React and Node.js; aligned technical estimates and timelines with project managers and stakeholders.
- Mentored 3+ high school interns on software fundamentals; co-developed concept and MVP for a tech education workshop and LMS.

FREELANCE AND PART-TIME

ARIF Analytics

Remote

Software Engineer (Part-time)

May 2025 - Present

- Building an AI-powered analytics platform; redesigned web profile and web app, improving performance, accessibility, and SEO on aggressive demo timelines.

CROSV A

Remote (Australia client)

Software Engineer (Freelance)

Mar 2025 (1 month)

- Implemented GitHub Actions CI/CD and single-command releases; cut deployment time from 20-30 minutes to under 10 minutes and reduced release errors.

Membagi

Jakarta

Software Engineer (Part-time)

May 2024 - Jan 2025

- Led web profile, admin dashboard, and mobile app delivery (launched in under 6 months); built an AI recipe recommendation system from leftover ingredient data.

Twilink

Remote (Australia client)

Frontend Engineer (Freelance)

Oct 2024 - Dec 2024

- Built influencer dashboard for content management and monetization with real-time API sync; delivered MVP 1 week early for beta onboarding.

Codedata

Remote (Australia client)

Frontend Engineer (Freelance)

Sep 2024 - Oct 2024

- Built React frontend for a RAG AI Q&A chatbot from uploaded files; shipped MVP in 4 weeks with AI and backend teams.

EDUCATION

Universitas Gadjah Mada

Yogyakarta

Bachelor of Nuclear Engineering | GPA 3.35

Jul 2012 - Nov 2016

Transitioned into software engineering in 2019, applying analytical and systems-thinking skills to full-stack product delivery.

SKILLS

- **Frontend:** React.js, Next.js, TypeScript, Svelte, SvelteKit, Astro.js, HTML, CSS, TailwindCSS
- **Backend:** Node.js, Express.js, NestJS, REST API, NextAuth, Axum, Authentication, Authorization, RBAC
- **Mobile:** React Native, Flutter
- **Database:** PostgreSQL, MySQL, Firebase, Prisma, Knex.js, Drizzle, TypeORM
- **AI:** RAG, Prompt Engineering, OpenAI Embeddings, Pinecone, Semantic Search, Recommendation Systems
- **DevOps and Tools:** GitHub Actions, Docker, CI/CD, Git, GitHub, GitLab, Playwright
- **Languages:** JavaScript, TypeScript, Python, Golang, Rust