

# GEDE YANDI

Frontend Engineer | React.js · TypeScript · React Query · Tailwind CSS · Real-Time UI

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## PROFESSIONAL SUMMARY

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Frontend engineer with 8+ years of production experience building data-dense dashboards, real-time streaming UIs, and complex web applications across agribusiness, hospitality, and fintech in Indonesia and Malaysia. Strong background in React 18, TypeScript, React Query, Tailwind CSS, and real-time protocols including Socket.io, MQTT, and GraphQL subscriptions. Experienced with Keycloak-based authentication flows, component-driven development, and testing with Playwright, React Testing Library, and Jest. Takes ownership of frontend delivery end-to-end and pushes back when something in the UX doesn't work.

## CORE TECHNICAL SKILLS

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**Frontend:** React.js (18+), Next.js, TypeScript (strict), JavaScript (ES6+), Tailwind CSS, React Query, Recharts, D3.js, Zustand, Redux, React Native

**Real-Time:** Socket.io, MQTT, GraphQL Subscriptions, WebSocket, Live Data Streaming

**Auth / IAM:** Keycloak (SSO, OIDC), OAuth2.0, JWT, Role-Based Access Control

**Testing:** Playwright (E2E), React Testing Library, Jest, Vitest, Appium

**Tools:** Git, GitHub, CI/CD, Vercel, Docker, Postman, Claude Code (daily), Agile/Async

## SELECTED PROJECT

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**ASO Audit Agent** *Next.js, TypeScript, Mastra, Anthropic API, Zod, Vitest*

- Built an AI-powered audit tool end-to-end — structured data tables, scoring visualization, competitor analysis UI, and LLM-synthesized recommendations with anti-hallucination guardrails.
- Shipped with 61 automated tests (Vitest) covering UI logic, API routes, parsers, and workflow fallback — test coverage written alongside feature development, not bolted on after.

## PROFESSIONAL EXPERIENCE

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**Full-Stack Engineer** | [Ace Resource Advisory Services Sdn Bhd](#)

*Aug 2022 – May 2026*

- Built data-dense production dashboards for enterprise clients including Asian Agri and Apical — sortable, filterable, paginated data tables with real-time updates via Socket.io and MQTT, Recharts visualizations, and Keycloak-based authentication flows.
- Delivered a React Native field operations app used by 100+ employees daily — GPS tracking, drone map rendering, real-time data sync, image capture and health detection, and server-side analysis displayed on web dashboards. Active across 50+ blocks/day with 5,000+ trees per block.
- Wrote Playwright E2E tests, React Testing Library component tests, and Appium mobile test suites — proactively catching issues before they reached QA.
- Participated in code reviews, shipped consistently via CI/CD, and worked fully async with a Malaysia-based team across time zones.

**Frontend Engineer** | [PT. Ruang Nyaman Abadi](#)

*Mar 2021 – Mar 2022*

- Built customer-facing web and mobile apps (React.js, React Native) for ruangnyaman.id — using React Query for server state, Zustand for global state, multi-merchant payment flows, partner back office, and onsite booking systems.
- Translated Figma references into clean, reusable components — pushed back when something in the UX didn't work, and validated output matched real operational needs.

**Full-Stack Engineer** | [Blockchain Zoo](#)

*Sep 2018 – Jan 2021*

- Built React frontends for Fidentiax Insurance Marketplace and ZooBC Explorer — including GraphQL subscriptions for real-time data feeds, component architecture, and state management in a fast-moving startup.

**Full-Stack Engineer** | [PT. Sekar Menuh Eventama](#)

*Sep 2017 – Jul 2018*

- Built web-based event management systems from scratch using Vue.js, Laravel, PHP, JavaScript, HTML, and CSS.

## EDUCATION

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**Bachelor of Engineering — Electrical Engineering, Computer & Informatics Systems**

*Graduated 2010 • GPA: 3.16 / 4.0*

Udayana University, Bali, Indonesia