

# Edwin Julian Sinaga

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**Front-End Engineer (React · Next.js · TypeScript)**

Indonesia (Open to Remote) · English (Professional)

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## Summary

Front-End Engineer with 4+ years of experience in React, Next.js, and TypeScript, focused on data visualization, rendering strategies, state management, and performance optimization, with end-to-end ownership in remote teams.

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## Experience

### **Front-End Engineer — Independent / Contract (2020 – Present)**

- Built, maintained, and shipped production web applications using React, Next.js, TypeScript, and D3.js, tailored to client requirements.
  - Owned front-end architecture, making informed trade-offs around performance, complexity, and maintainability.
  - Collaborated closely with clients and remote teams to translate business needs into reliable, scalable UI.
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## Selected Projects

### **Krypton ([GitHub](#) · [Live](#))**

*React, RxJS, D3.js, HTML5 Canvas, Webpack, Express*

- Developed a real-time crypto dashboard with advanced, TradingView-inspired interactive charts, built from scratch.
- Handled live data streams using RxJS, implementing lazy loading, multi-chart drag/zoom, and smooth interaction with thousands of data points.
- Designed a custom, performant color picker and popover library supporting advanced chart customization.

### **Katt Interior ([GitHub](#) · [Live](#))**

*Next.js, TypeScript, Supabase, Tailwind CSS, Radix UI, React Email, Resend*

- Built a production-ready platform with ownership across design, architecture, authentication, CI/CD, SEO, testing, and deployment.
- Created a custom drag-and-drop blog editor with crop and resize functionality, enabling fully responsive and SEO-friendly pages.

- Optimized image-heavy pages using image compression and SSR/ISR, improving load times while preserving visual quality.
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## Technical Skills

**Frontend:** React, Next.js (App Router), TypeScript, JavaScript, HTML5 Canvas, RxJS

**UI & Visualization:** D3.js, Tailwind CSS, SASS, Radix UI, Figma **Backend & Platform:** Supabase (PostgreSQL, Auth, RLS, Storage), REST APIs, Docker, Vercel

**Tooling & Quality:** Git, GitHub Actions, Vite, Webpack, Vitest, SEO (JSON-LD, Core Web Vitals)